I&M CANAL
ILD984785071

CERCLA Preliminary Assessment Report

Illinois Environmental
Protection Agency
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Confidential Material May be Enclosed

6319

PA / "L" 7-3-91 CKJ

CERCLA PA Report I+M Canal ILD 984785671

EXECUTIVE SUMMARY

The Illinois and Michigan Canal was entered into the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) on May 18, 1990. This action was due in part to the Illinois Environmental Protection Agency's (IEPA) concern of potential groundwater, surface water and soil contamination which may have resulted from a leaking above ground storage tank.

Ten tanks (ranging from 2,000 to 10,000 gallons in size) currently occupy the northern bluff approximately 15 to 20 feet above the Illinois and Michigan (I & M) Canal. This is land owned by the State of Illinois. The I & M Canal is a historic shipping canal and according to the Corps of Engineers (COE) it is a national shrine. The less than one acre site is located south of Chartres and Brunner Street along the southwest perimeter of La Salle's city limits. The tanks are located in the extreme southwest corner of Section 15, Township 33 North, Range 1 East of La Salle County. The Tabor Grain Co. of Archer Daniel Midland Corporation (ADM)/Growmark leases the land to the west of the site. This is the location of Tabor Grain's facility.

The I & M Canal borders the southern edge of the tank's locality. Directly north and east of the tanks is land also leased to Tabor Grain. During clean-up of the spill discov-

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PA Scoresheets

GENERAL INFORMATION (continued)

Source Descriptions:
On March 21, 1990 a spill from a tank was observed. Further investigation determined the spill to be petroleum based oil; oil as defined by the Clean Water Act. However, pentachlorophenol also appeared in analytical results, thus questioning the presence of Contaminents.

Waste Characteristics (WC) Calculations:
See PA Table 1, page 5)

Estimated tank volumes:

1	2,000	Gallons
3	4,000	"
1	4,500	"
2	5,500	"
1	6,000	"
2	10,000	"

Tanks: 55,500 Gallons

Drums:
~ 9 whole drums
9 x 55 gallons = 495 gallons

~4 drum fragments
4 x 55 gallons = 220 gallons

Drums: 715 gallons

Contaminated Soil:

~20 ft. long
~ 1.5 ft wide

20 x 1.5 = 30 ft.^{2}

55,000
+ 715
55,715 gal.

30 ft^2 / 34,000 = .0008823

55,715 / 500 = 111.43

111.43
.0008823
111.4308823 Waste Quantity Total

WC = 32

Site Name: I+M Canal 5
Date:

PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1a: WC Scores for Single Source Sites and Formulas for Multiple Source Sites

TIER	SOURCE TYPE	SINGLE SOURCE SITES (assigned WC scores)			MULTIPLE SOURCE SITES
		WC = 18	*WC = 32*	*WC = 100*	Formula for Assigning Source WQ Values
CONSTITUENT	N/A	≤100 lbs	>100 to 10,000 lbs	>10,000 lbs	*lbs ÷ 1*
WASTESTREAM	N/A	≤500,000 lbs	>500,000 to 50 million lbs	>50 million lbs	*lbs ÷ 5,000*
VOLUME	Landfill	≤6.75 million ft³ ≤250,000 yd³	>6.75 million ft³ to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Surface impoundment	≤6,750 ft³ ≤250 yd³	>6,750 ft³ to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
	Drums	≤1,000 drums	>1,000 to 100,000 drums	>100,000 drums	*drums ÷ 10*
	Tanks and non-drum containers	≤50,000 gallons	>50,000 to 5 million gallons	>5 million gallons	*gallons ÷ 500*
	Contaminated soil	≤6.75 million ft³ ≤250,000 yd³	>6.75 million ft³ to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Pile	≤6,750 ft³ ≤250 yd³	>6,750 ft³ to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
AREA	Landfill	≤340,000 ft² ≤7.8 acres	>340,000 to 34 million ft² >7.8 to 780 acres	>34 million ft² >780 acres	*ft² ÷ 3,400* *acres ÷ 0.078*
	Surface impoundment	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Contaminated soil	≤3.4 million ft² ≤78 acres	>3.4 million to 340 million ft² >78 to 7,800 acres	>340 million ft² >7,800 acres	*ft² ÷ 34,000* *acres ÷ 0.78*
	Pile*	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Land treatment	≤27,000 ft² ≤0.62 acres	>27,000 to 2.7 million ft² >0.62 to 62 acres	>2.7 million ft² >62 acres	*ft² ÷ 270* *acres ÷ 0.0062*

1 ton = 2,000 lbs = 1 yd³ = 4 drums = 200 gallons

* Use area of land surface under pile, not surface area of pile.

PA Table 1b: WC Scores for Multiple Source Sites

WQ Total	*WC Score*
>0 to 100	18
>100 to 10,000	32
>10,000	100

Site Name: I+M Canal
Date:

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use Within 4-miles of the Site:

Provide generalized stratigraphy; information on aquifers, municipal, and or private wells)

This site lies in the Wisconsonian-aged glacial till. It is overlain by manmade fill. Bedrock in this vicinity is highly fractured Silurian and Ordovician-aged dolomites.

The nearest municipal well is just under one mile from the site. This well is blended with three others. They are in the St. Peter Aquifer at depths of 2,591 ft. - 2,764 Ft. deep The city of LaSalle Water District has four wells just over 1 mile east of the site. These are in a sand and gravel aquifer at depths ranging from 60-70 Ft. deep

The closest known private well is approximately 1 1/4 miles southeast of the site. Water in this well is drawn from a shale formation.

At approximately 3 1/4 miles southeast of the site are Oglesby's two municipal wells.

Show calculations of ground water drinking water populations:

Population outside of all city limits not on public H_2O:

1/4	1/2	1	2	3	4
0	0	26	467	493	754

City of Peru Population

1/4	1/2	1	2	3	4
0	0	2,722	8,164	0	0

City of LaSalle Population

1/4	1/2	1	2	3	4
0	0	0	19,500	0	0

Village of Oglesby Population

1/4	1/2	1	2	3	4
0	0	0	0	0	9,203

Village of Cedar Point

4
298

Population Totals:

1/4: 0
1/2: 0
1: 2,748
2: 19,131
3: 493
4: 10,255

GROUND WATER PATHWAY CRITERIA LIST

Site Name: I+M Canal
Date:

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release and identifying primary targets. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize a suspected release or to identify primary targets. This chart will record your professional judgment in evaluating these factors.

The "Suspected Release" section of the chart guides you through evaluation of some site, source, and pathway conditions to help hypothesize whether a release from the site is likely. If a release is suspected, use the "Primary Targets" section to guide you through evaluation of some conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of targets you feel may be considered "primary." In the "Primary Targets" section on this sheet, record the responses for the well that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

GROUND WATER PATHWAY

SUSPECTED RELEASE

Yes	No	Unknown	
■	□	□	Are sources poorly contained?
■	□	□	Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)?
■	□	□	Is waste quantity particularly large?
□	■	□	Is precipitation heavy and infiltration rate high?
□	■	□	Is the site located in an area of karst terrain?
■	□	□	Is the subsurface highly permeable or conductive?
■	□	□	Is drinking water drawn from a shallow aquifer?
□	■	□	Are suspected contaminants highly mobile in ground water?
□	■	□	Does any circumstantial evidence of ground water or drinking water contamination exist?
□	■		Other criteria? _____
■	□		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unknown	
□	■	□	Is any drinking-water well nearby?
□	■	□	Is any nearby drinking-water well closed?
□	■	□	Has foul-tasting or foul-smelling water been reported by any nearby drinking-water users?
□	■	□	Do any nearby wells have a large drawdown or high production rate?
□	■	□	Are drinking-water wells located between the site and other wells that are suspected to be exposed to hazardous substances?
□	■	□	Does any circumstantial evidence of ground water or drinking water contamination exist?
□	■	□	Does any drinking-water well warrant sampling?
□	■		Other criteria? _____
■	□		**PRIMARY TARGET(S) IDENTIFIED?**

Summarize the rationale for suspected release (attach an additional page if necessary):

In March of 1990 one of ten tanks sitting on the northern bank of the Illinois + Michigan Canal had a release of its contents. What appeared to be an oil/tar-like substance flowed down the bank (~15-20 feet) into the I+M Canal.

Summarize the rationale for Primary Targets (attach an additional page if necessary):

Site Name: I+M Canal
Date:

GROUND WATER PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Ground Water Pathway Criteria List, page 7)?	Yes ✓ No ___
Is the site located in karst terrain?	Yes ___ No ✓
Depth to aquifer:	60 ft
Distance to the nearest drinking-water well:	< 1 mile

	A Suspected Release	B No Suspected Release	References
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to ground water (see page 7), assign a score of 550, and use only column A for this pathway.	550		1
2. NO SUSPECTED RELEASE: If you do not suspect a release to ground water, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Use only column B for this pathway.			
LR =	550		
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people served by drinking water from wells that you suspect have been exposed to hazardous substances from the site (see Ground Water Pathway Criteria List, page 7). 0 people x 10 =	0		2
4. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water from wells that you do NOT suspect have been exposed to hazardous substances from the site, and assign the total population score from PA Table 2. Are any wells part of a blended system? Yes ✓ No ___ If yes, attach a page to show apportionment calculations.	395		2
5. NEAREST WELL: If you have identified any Primary Targets for ground water, assign a score of 50; otherwise, assign the highest Nearest Well score from PA Table 2. If no drinking-water wells exist within 4 miles, assign a score of zero.	9		PA Table 2
6. WELLHEAD PROTECTION AREA (WHPA): Assign a score of 20 if any portion of a designated WHPA is within ¼ mile of the site; assign 6 if from ¼ to 4 miles.	—		
7. RESOURCES: A score of 5 is assigned.	5	5	
T =	409		
WASTE CHARACTERISTICS			
8. A. If you have identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.			
B. If you have NOT identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4.	32		
WC =	32		

GROUND WATER PATHWAY SCORE: $\dfrac{LR \times T \times WC}{82{,}500}$ = 87

Site Name: I+M Canal
Date:

PA TABLE 2: VALUES FOR SECONDARY GROUND WATER TARGET POPULATIONS

PA Table 2a: Non-Karst Aquifers

Distance from Site	Population	Nearest Well (choose highest)	Population Served by Wells Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	Population Value
0 to ¼ mile	0	20	1	2	5	16	52	163	521	1,633	5,214	16,325	0
> ¼ to ½ mile	0	18	1	1	3	10	32	101	323	1,012	3,233	10,121	0
> ½ to 1 mile	2,748	(9)	1	1	2	5	17	(52)	167	522	1,668	5,224	52
>1 to 2 miles	19,131	5	1	1	1	3	9	29	94	(294)	939	2,938	294
>2 to 3 miles	493	3	1	1	1	2	(7)	21	68	212	678	2,122	7
>3 to 4 miles	10,255	2	1	1	1	1	4	13	42	(131)	417	1,306	131
Nearest Well =		9										Score =	484

PA Table 2b: Karst Aquifers

Distance from Site	Population	Nearest Well (use 20 for karst)	Population Served by Wells Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	Population Value
0 to ¼ mile		20	1	2	5	16	52	163	521	1,633	5,214	16,325	
> ¼ to ½ mile		20	1	1	3	10	32	101	323	1,012	3,233	10,121	
> ½ to 1 mile		20	1	1	3	8	26	82	261	816	2,607	8,162	
>1 to 2 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
>2 to 3 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
>3 to 4 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
Nearest Well =												Score =	

Apportionment of Peru Public Wells

Peru population: 10,886

Well #	Average Annual Pumpage	% Total Pumpage
5	194.399 million gal/year	21.9%
6	237.026 "	26.7%
7	159.375 "	18 %
8	296.245 "	33.4%
	887.045	

No well contributes 40% or more of total output, thus, divide total population equally among each well.

Well #	Apportioned Population
5	2721.5
6	2721.5
7	2721.5
8	2721.5
	10,886.

SURFACE WATER PATHWAY CRITERIA LIST

Site Name: I+M Canal
Date:

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release and identifying primary targets. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive: list any other criteria you use to hypothesize a suspected release or to identify primary targets. This chart will record your professional judgment in evaluating these factors.

The "Suspected Release" section of the chart guides you through evaluation of some site, source, and pathway conditions to help hypothesize whether a release from the site is likely. If a release is suspected, use the "Primary Targets" section to guide you through evaluation of some conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of targets you feel may be considered "primary." In the "Primary Targets" section on this sheet, record the responses for the target that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

SURFACE WATER PATHWAY

SUSPECTED RELEASE

Yes	No	Unknown	
☒	☐	☐	Is surface water nearby?
☒	☐	☐	Is waste quantity particularly large?
☐	☒	☐	Is the drainage area large?
☐	☒	☐	Is precipitation heavy or infiltration rate low?
☒	☐	☐	Are sources poorly contained or prone to runoff or flooding?
☒	☐	☐	Is a runoff route well defined (e.g., ditch or channel leading to surface water)?
☐	☒	☐	Is vegetation stressed along the probable runoff path?
☒	☐	☐	Are suspected contaminants highly persistent in surface water?
☐	☒	☐	Are sediments/water unnaturally discolored?
☐	☒	☐	Is wildlife unnaturally absent?
☒	☐	☐	Has deposition of waste into surface water been observed?
☒	☐	☐	Is ground water discharge to surface water likely?
☒	☐	☐	Is there any circumstantial evidence of surface water contamination?
☐	☒		Other criteria? _____
☒	☐		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unknown	
☒	☐	☐	Is any target nearby? If yes:
			☐ Drinking-water intake
			☒ Fishery
			☒ Sensitive environment
☐	☒	☐	Has an intake, fishery, or recreational area been closed?
☒	☐	☐	Is there any circumstantial evidence of surface water contamination at or downstream of a target?
☒	☐	☐	Does any target warrant sampling? If yes:
			☐ Drinking-water intake
			☒ Fishery
			☐ Sensitive environment
☐	☒		Other criteria? _____
☒	☐		**PRIMARY INTAKE(S) IDENTIFIED?**
☒	☐		**PRIMARY FISHERY IDENTIFIED?**
☒	☐		**PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?**

Summarize the rationale for suspected release (attach an additional page if necessary):

An observed release to surface water was documented March 21, 1991.

Summarize the rationale for Primary Targets (attach an additional page if necessary):

The I+M canal feeds into the Illinois River less than 1/2 mile downstream of the site. Both of these are fisheries. Sensitive environs are located along the Illinois River within 15 miles of the site.

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Surface Water Pathway Criteria List, page 111)?	Yes ✓ No ___
Distance to surface water:	~15 ft
Flood Frequency:	100 yrs
What is the downstream distance to the nearest drinking-water intake?	≥15 miles
nearest fishery? ~15 feet	nearest sensitive environment? ~15 feet

	A Suspected Release	B No Suspected Release	References
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to surface water (see page 11), assign a score of 550, and use only column A for this pathway.	550		1
2. NO SUSPECTED RELEASE: If you do not suspect a release to surface water, and the distance to surface water is 2,500 feet or less, assign a score of 500; otherwise, assign a score from the table below. Use only column B for this pathway.			
LR =	550		

Floodplain	Score
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

DRINKING WATER THREAT TARGETS				
3. Determine the water body types, flows (if applicable), and number of people served by all drinking-water intakes within the 15-mile target distance limit. If there are no drinking-water intakes within the target distance limit, assign a total Targets score of 5 at the bottom of this page (Resources only) and proceed to page 14.				
Intake Name	Water Body Type	Flow	People Served	
_____	_____	_____ cfs	_____	
_____	_____	_____ cfs	_____	
_____	_____	_____ cfs	_____	
4. PRIMARY TARGET POPULATION: If you suspect any drinking-water intake listed above has been exposed to hazardous substances from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the number of people served. _____, _____				
0 people x 10 =	0			3
5. SECONDARY TARGET POPULATION: Determine the Secondary Target Population score from PA Table 3 based on the populations using drinking-water from intakes that you do NOT suspect have been exposed to hazardous substances from the site.	0			3
Are any intakes part of a blended system? Yes ___ No ✓ If yes, attach a page to show apportionment calculations.				
6. NEAREST INTAKE: If you have identified any Primary Targets for the drinking water threat (Factor 4), assign a score of 50; otherwise, assign the Nearest Intake score from PA Table 3. If no drinking-water intake exists within the 15-mile target distance limit, assign a score of zero.	0			3
7. RESOURCES: A score of 5 is assigned.	5	5		
T =	5			

Site Name: I+M Canal
Date:

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

Surface Water Body Flow Characteristics (see PA Table 4)	Population	Nearest Intake (choose highest)	Population Served by Intakes Within Flow Category: 1 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	Population Value
<10 cfs	0	20	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	
10 to 100 cfs	0	2	1	1	2	5	16	52	163	521	1,633	5,214	16,325	
> 100 to 1,000 cfs	0	1	0	0	1	1	2	5	16	52	163	521	1,633	
> 1,000 to 10,000 cfs	0	0	0	0	0	0	1	1	2	5	16	52	163	
> 10,000 cfs or Great Lakes	0	0	0	0	0	0	0	0	1	1	2	5	16	
3-mile Mixing Zone	0	10	1	3	8	26	82	261	816	2,607	8,162	26,068	81,663	
Nearest Intake =		0											Score =	0

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Surface Water Body			Dilution Weight
Water Body Type	OR	Flow Characteristics	
minimal stream		flow less than 10 cfs	1
small to moderate stream		flow 10 to 100 cfs	0.1
moderate to large stream		flow greater than 100 to 1,000 cfs	N/A
large stream to river		flow greater than 1,000 to 10,000 cfs	N/A
large river		flow greater than 10,000 cfs	N/A
3-mile mixing zone of quiet flowing streams or rivers		flow 10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes		N/A	N/A

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT SCORESHEET

LIKELIHOOD OF RELEASE		A Suspected Release	B No Suspected Release	References
Enter the Surface Water Likelihood of Release score from page 12.	LR =	550		

HUMAN FOOD CHAIN THREAT TARGETS

8. Determine the water body types and flows (if applicable) for all fisheries within the 1.5-mile target distance limit. If there are no fisheries within the target distance limit, assign a Targets score of 0 at the bottom of this page and proceed to page 15.

Fishery Name	Water Body Type	Flow	
Illinois & Michigan Canal	canal	1-2	cfs
Illinois River	river	15,550	cfs
			cfs
			cfs
			cfs

4

9. PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 10. List the Primary Fisheries:

I+M Canal, Illinois River

	A	B
	300	

5

10. SECONDARY FISHERIES: If you have not identified any Primary Fisheries, assign a Secondary Fisheries score from the table below using the LOWEST flow at any fishery within the 15-mile target distance limit.

Lowest Flow	Secondary Fisheries Score
< 10 cfs	210
10 to 100 cfs	30
> 100 cfs, coastal tidal waters, oceans, or Great Lakes	12

		A	B
	T =	300	

Site Name: I+M Canal
Date:

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT SCORESHEET

LIKELIHOOD OF RELEASE	A Suspected Release	B No Suspected Release	References
Enter the Surface Water Likelihood of Release score from page 12. LR =	550		

ENVIRONMENTAL THREAT TARGETS

11. Determine the water body types and flows (if applicable) for all surface water sensitive environments within the 15-mile target distance limit (see PA Tables 4 and 5). If there are no sensitive environments within the 15-mile target distance limit, assign a Targets score of 0 at the bottom of this page, and proceed to page 17.

Environment Name	Water Body Type	Flow
Wetlands	Canal	1-2 cfs
State Endangered Species	Lake	cfs
Natural Area		cfs
3 State Managed Areas		cfs
		cfs

6

12. PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environment listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 13. List the Primary Sensitive Environments:

Wetlands

	A	B
	300	

12

13. SECONDARY SENSITIVE ENVIRONMENTS:

A. For Secondary Sensitive Environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor:

Flow	Dilution Weight (PA Table 4)	Environment Type and Value (PA Tables 5 and 6)	Total
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	

Sum =

B. If NO Secondary Sensitive Environments are located on surface water bodies with flows of 100 cfs or less, assign a score of 10.

T = 300

PA TABLE 5: SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES

Sensitive Environment	Assigned Value
Critical habitat for Federally designated endangered or threatened species	100
Marine Sanctuary	
National Park	
Designated Federal Wilderness Area	
Ecologically important areas identified under the Coastal Zone Wilderness Act	
Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act	
Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes)	
National Monument	
National Seashore Recreation Area	
National Lakeshore Recreation Area	
Habitat known to be used by Federally designated or proposed endangered or threatened species	75
National Preserve	
National or State Wildlife Refuge	
Unit of Coastal Barrier Resources System	
Federal land designated for the protection of natural ecosystems	
Administratively Proposed Federal Wilderness Area	
Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay or estuary	
Migratory pathways and feeding areas critical for the maintenance of anadromous fish species in a river system	
Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding	
National river reach designated as recreational	
Habitat known to be used by State designated endangered or threatened species	50
Habitat known to be used by a species under review as to its Federal endangered or threatened status	
Coastal Barrier (partially developed)	
Federally designated Scenic or Wild River	
State land designated for wildlife or game management	25
State designated Scenic or Wild River	
State designated Natural Area	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	
State designated areas for the protection/maintenance of aquatic life under the Clean Water Act	5
Wetlands	See PA Table 6 (Surface Water Pathway) or PA Table 9 (Air Pathway)

PA TABLE 6: SURFACE WATER WETLANDS FRONTAGE VALUES

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS	A *Suspected Release*	B *No Suspected Release*
14. A. If you have identified ANY Primary Targets for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	32	
B. If you have NOT identified any Primary Targets for surface water, assign the waste characteristics score calculated on page 4.		
WC =		

SURFACE WATER PATHWAY THREAT SCORES

Threat	*Likelihood of Release (LR) Score (from page 12)*	*Targets (T) Score*	*Pathway Waste Characteristics (WC) Score (determined above)*	*Threat Score LR x T x WC / 82,500*
Drinking Water	550	5	32	1
Human Food Chain	550	300	32	64
Environmental	550	300	32	60

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat) 100

SOIL EXPOSURE PATHWAY CRITERIA LIST

Site Name: I+M Canal
Date:

This chart provides guidelines to assist you in hypothesizing the presence of a resident population. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize resident populations. This chart will record your professional judgment in evaluating this factor.

Use the resident population section to guide you through evaluation of some site and source conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of nearby people you feel may be considered part of a resident population. Record the responses for the resident population target that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question.

SOIL EXPOSURE PATHWAY				
SUSPECTED CONTAMINATION	***RESIDENT POPULATION***			
	Yes	No	Unknown	
Surficial contamination is assumed.	☐	■	☐	Are there residences, schools, or day care facilities on or within 200 feet of areas of suspected contamination?
	☐	■	☐	Are residences, schools, or day care facilities located on adjacent land previously owned or leased by the site owner/operator?
	☐	■	☐	Is there an overland migration route that might spread hazardous substances near residences, schools, or day care facilities?
	☐	■	☐	Are there any reports of adverse health effects from onsite or adjacent residents or students, exclusive of apparent drinking water or air-contamination problems?
	☐	■	☐	Does any offsite property warrant sampling?
	☐	■		Other criteria? _____
	■	☐		**RESIDENT POPULATION IDENTIFIED?**

Summarize the rationale for resident population (attach an additional page if necessary):

There are no persons who reside or attend school or daycare within 200 feet of the suspected contamination.

SOIL EXPOSURE PATHWAY SCORESHEET

Pathway Characteristics	
Do any people live on or within 200 ft of areas of suspected contamination?	Yes ___ No ✓
Do any people attend school or day care on or within 200 ft of areas of suspected contamination?	Yes ___ No ✓
Is the facility active? Yes ___ No ✓ If yes, estimate the number of workers: ___	

	A Suspected Contamination	B No Suspected Contamination	Reference:
LIKELIHOOD OF EXPOSURE			
1. SUSPECTED CONTAMINATION: Surficial contamination is assumed. A score of 550 is assigned. LE =	[550] 550		1
RESIDENT POPULATION THREAT TARGETS			
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on or within 200 feet of areas of suspected contamination (see Soil Exposure Pathway Criteria List, page 18). 0 people x 10 =	0		7
3. RESIDENT INDIVIDUAL: If you have identified any Resident Population (Factor 2), assign a score of 50; otherwise, assign a score of 0.	[50 or 0] 0		1
4. WORKERS: Assign a score from the following table based on the total number of workers at the facility and nearby facilities with suspected contamination:	[15, 10, 5, or 0] 0		8
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value from PA Table 7 for each terrestrial sensitive environment that is located on an area of suspected contamination:	0		9
Sum =	[6] 5		
6. RESOURCES: A score of 5 is assigned.			
T =	5		
WASTE CHARACTERISTICS			
7. Assign the waste characteristics score calculated on page 4. WC =	[100, 32, or 18] 32		
RESIDENT POPULATION THREAT SCORE: $\frac{LE \times T \times WC}{82{,}500}$	[adjust to a maximum of 100] 1.06		
NEARBY POPULATION THREAT SCORE: *Assign a score of 2*	2		
SOIL EXPOSURE PATHWAY SCORE: Resident Population Threat + Nearby Population Threat	[adjust to a maximum of 100] 2		

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
>1,000	15

Terrestrial Sensitive Environment Type	Value

Site Name: I+M Canal
Date: 20

PA TABLE 7: SOIL EXPOSURE PATHWAY
TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

Terrestrial Sensitive Environment	*Assigned Value*
Terrestrial critical habitat for Federally designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	100
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federally designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

AIR PATHWAY CRITERIA LIST

Site Name: I+M Canal 21
Date:

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize a suspected release. This chart will record your professional judgment in evaluating this factor.

The "Suspected Release" section of the chart guides you through evaluation of some conditions to help hypothesize whether a release from the site is likely. For the Air Pathway, if a release is suspected, "Primary Targets" are any residents, workers, students, or sensitive environments within ½ mile of the site.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

AIR PATHWAY

SUSPECTED RELEASE				PRIMARY TARGETS
Yes	No	Unknown		
☐	■	☐	Have odors been reported?	*If you suspect a release to air, evaluate all populations and sensitive environments within ½ mile (including those onsite) as Primary Targets.*
☐	■	☐	Has a release of hazardous substances to the air been directly observed?	
☐	■	☐	Are there any reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air?	
☐	■	☐	Is there any circumstantial evidence of an air release?	
☐	■		Other criteria? _____	
☐	■		**SUSPECTED RELEASE?**	

Summarize the rationale for suspected release (attach an additional page if necessary):

A release to air is not suspected.

AIR PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Air Pathway Criteria List, page 21)?	Yes ___ No ✓
Distance to the nearest individual:	~40 ft

	A Suspected Release	B No Suspected Release	Reference:
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550, and use only column A for this pathway.	[550]		
2. NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500, and use only column B for this pathway.		[500] 500	10
LR =		500	
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a release of hazardous substances through the air (see Air Pathway Criteria List, page 21). ___ people x 10 =			
4. SECONDARY TARGET POPULATION: Determine the number of people within the 4-mile target distance limit, and assign the total population score from PA Table 8.		22	11
5. NEAREST INDIVIDUAL: If you have identified any Primary Targets for the air pathway, assign a score of 50; otherwise, assign the highest Nearest Individual score from PA Table 8.	[50, 20, 7, 2, 1, or 0]	[20, 7, 2, 1, or 0] 20	11
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from air hazardous substances (see Air Pathway Criteria List, page 21).			
Sensitive Environment Type / Value: ___ / ___ ; ___ / ___			
Sum =			
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.		1	PA Tab 10
8. RESOURCES: A score of 5 is assigned.	[5] 5	[5] 5	
T =		48	
WASTE CHARACTERISTICS			
9. A. If you have identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	[100 or 32]		
B. If you have NOT identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4.	[100, 32, or 18]	[100, 32, or 18] 32	
WC =			

AIR PATHWAY SCORE: $\frac{LR \times T \times WC}{82,500}$ = [Subject to a maximum of 100] 9

Site Name: I+M Canal
Date:

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

Distance from Site	Population	Nearest Individual (choose highest)	Population Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	Population Value
Onsite	0	20	1	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	0
>0 to ¼ mile	35	(20)	1	1	(1)	4	13	41	130	408	1,303	4,081	13,034	40,811	1
>¼ to ½ mile	526	2	0	0	1	1	(3)	9	28	88	282	882	2,815	8,815	3
>½ to 1 mile	7,586	1	0	0	0	1	1	3	(8)	26	83	261	834	2,612	8
>1 to 2 miles	18,635	0	0	0	0	0	1	1	3	(8)	27	83	266	833	8
>2 to 3 miles	2,947	0	0	0	0	0	1	(1)	1	4	12	38	120	376	1
>3 to 4 miles	2,633	0	0	0	0	0	0	(1)	1	2	7	23	73	229	1
Nearest Individual =		20												Score =	22

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Less than 1 acre	0
1 to 50 acres	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 acres	175
Greater than 200 to 300 acres	250
Greater than 300 to 400 acres	350
Greater than 400 to 500 acres	450
Greater than 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from PA Table 9 or 9A)	Product
Onsite	0.10	x 0 Wetlands >1acre	0
		x	
0-1/4 mi	0.025	x 25 Wetlands ~32 acres	.625
		x	
		x	
1/4-1/2mi	0.0054	x 75 Wetlands ~77 acres	.405
		x	
		x	
		x	
Total Environments Score =			1.3

SITE SCORE CALCULATION

	S	S^2
GROUND WATER PATHWAY SCORE (S_{gw}):	87	7,569
SURFACE WATER PATHWAY SCORE (S_{sw}):	100	10,000
SOIL EXPOSURE PATHWAY SCORE (S_{se}):	2	4
AIR PATHWAY SCORE (S_a):	9	81
SITE SCORE: $\sqrt{\frac{S_{gw}^2+S_{sw}^2+S_{se}^2+S_a^2}{4}}$ =		66

RECOMMENDATION

SUMMARY

	YES	NO
1. Is there a high possibility of a threat to nearby drinking water wells by migration of hazardous substances in ground water?	☐	■
A. If yes, identify the wells recommended for sampling during the SI.		
B. If yes, how many people are served by these threatened wells?		
2. Are any of the following suspected to have been exposed to hazardous substances through surface water migration from the site?		
A. Drinking water intake	☐	■
B. Fishery	■	☐
C. Sensitive environment: wetland, critical habitat, others	■	☐
D. If yes, identify the targets recommended for sampling during the SI. I+M Canal, Wetlands		
3. Do people reside or attend school or day care on or within 200 ft of any area of suspected contamination?	☐	■
4. Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:	☐	■

HRS DOCUMENTATION LOG SHEET

SITE NAME: I+M Canal
CITY: LaSalle STATE IL
IDENTIFICATION NUMBER: 984785071

REFERENCE NUMBER	DESCRIPTION OF THE REFERENCE
1	Files received from Verneta Simon, U.S. EPA and Water division files
2	ISWS well logs and Public Water Officials
3	PWS Microfiche and Public Water Officials
4	Water Resources Data, IL, Water Year 1989 Vol. 2 and Gary McCandless - see phone log
5	See 1 above and IL Fishing Guide
6	see 4 above and IDOC
7	Reconnaissance visit to site
8	No workers on site + nearby facility is believed to not be contaminated
9	IDOC
10	No suspected release to air
11	U.S.G.S. Topo Map and Public Officials for populations
12	National Wetland Inventory Maps

EXECUTIVE SUMMARY

The Illinois and Michigan Canal was entered into the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) on May 18, 1990. This action was due in part to the Illinois Environmental Protection Agency's (IEPA) concern of potential groundwater, surface water and soil contamination which may have resulted from a leaking above ground storage tank.

Ten tanks (ranging from 2,000 to 10,000 gallons in size) currently occupy the northern bluff approximately 15 to 20 feet above the Illinois and Michigan (I & M) Canal. This is land owned by the State of Illinois. The I & M Canal is a historic shipping canal and according to the Corps of Engineers (COE) it is a national shrine. The less than one acre site is located south of Chartres and Brunner Street along the southwest perimeter of La Salle's city limits. The tanks are located in the extreme southwest corner of Section 15, Township 33 North, Range 1 East of La Salle County. The Tabor Grain Co. of Archer Daniel Midland Corporation (ADM)/Growmark leases the land to the west of the site. This is the location of Tabor Grain's facility.

The I & M Canal borders the southern edge of the tank's locality. Directly north and east of the tanks is land also leased to Tabor Grain. During clean-up of the spill discov-

ered in March of 1990, Tim Werner of IDOC observed that Tabor Grain had been storing salt and/or some type of agrichemicals on land immediately north of the tanks. According to U.S.EPA files, employees of a PRP (Potentially Responsible Party-Len Trovero), mentioned that the lowlying area had been used for decades for the purpose of unregulated dumping. This was discussed further in a June 20, 1991 phone conversation with Todd Hudson, the general manager of Tabor Grain. Mr. Hudson said people used to frequently drop junk off in the area of the tanks. He said it was mostly household items but grain and wheat materials had also been found. In attempts to impede such illegal dumping Tabor Grain installed fencing. Large concrete blocks were also placed north of the tanks to prevent any one running into the tanks.

The I and M Canal and an adjacent 90 foot buffer strip of land has been property of the state of Illinois since the 1830's. This property was put under the jurisdiction of the Illinois Department of Transportation (IDOT) from approximately 1920 to 1973. During this time IDOT leased certain parcels of this land to industrial companies. In 1973, state custodianship was transferred from IDOT to IDOC (Illinois Department of Conservation). It was during this time period Tabor Grain realized the land they lease included the property on which the tanks are located. Although the exact location is unclear, records suggest that in 1975 Mr. Len Trovero utilized lands adjacent to the tank farm for the

operations of an asphalt plant.

Aerial photographs indicate that the tanks have been at this location as early as November of 1958. They originally belonged to J.P. Hollerich Construction Company. It is believed the city of La Salle gave Hollerich permission to place tanks on city property in the area in order to transfer asphalt oil from the canal. The tanks were not placed on city but state property. In 1963 Mr. Hollerich died. Eventually the corporation was dissolved and liquidated. Mr. Len Trovero of Trovero Construction and Central Illinois Contracting Corporation bought some of these assets. To date there is no available documentation showing that Trovero's purchase included these tanks.

On March 21, 1990, a spill from one of the above ground storage tanks was reported to IDOC by two fishermen. The material was found to be pooled beneath a tank and flowing down the bank into the I & M Canal. A spill of approximately 1,500 gallons of petroleum based oil had leaked from one of the 10,000 gallon tanks. Mark McConnaughhay (Site Superintendent for the canal), Verneta Simon (the canal's fisheries biologist, U.S.EPA) and Charles Trovero surveyed the extent of damage by way of a boat. The material had reached the opposite bank. Several fish and a blue heron had died due to the effects of the oil release. It was hypothesized the leak had occurred at an earlier date because black rings (of what appeared to be the same type of material) stained trees at

different levels on both the northern and southern banks. Actions were taken so as to stabilize the spill. CMC (the PRP's primary clean-up contractor) began the clean-up process by pulling the leaking tank away from the bank. This revealed an opening at the base of the tank where the spill originated. Mr. Trovero implied that a torn valve at the bottom of the tank was the source of the spill. The opening was sealed with a metal plate. An estimated 200 feet of booms were placed in the canal for containment. CMC initiated the excavation of the contaminated soil, shrubbery and debris from both banks. A vacuum truck and sorbent pads were used to remove the material floating on the canal. On March 27, 1990 Mr. Trovero aborted clean-up efforts and turned the responsibility over to the U.S.EPA.

The following day, O.H. Materials (OHM) took over where CMC left off. The removal of oil from the water surface and excavation of contaminated soil and trees was completed. A sand/soil mixture was applied to the seep area.

The tanks were not removed from the site. According to Trovero some of the tanks contained a high viscosity M.C. asphalt oil, some unknown substances and others were empty.

Prior to the clean-up, three samples were taken. The first sample was derived from the pooled material below the leaking tank. The second sample was taken from the seep. The third sample was collected from the contaminated sediments along the shoreline. The sample results indicated that

the PCB (Polychlorinated Biphenyls) level was lower than method detection limits and the spilled material was a petroleum-based oil. Pentachlorophenol was detected in the samples at a level of 211 ug/kg. This imposes the question of the tank's contents consisting of hazardous material.

IDOC Police Officer Scott Travi was told by Len Trover's son, Charles Trovero, and one of Trovero's employees that Trovero Construction and Central Illinois Contraction Corporation owned the tanks. Also at that time, the general manager of Tabor Grain Company wrote in a voluntary statement that Len Trovero told the general manger that the tanks were his (Trovero's). Although CMC was contracted by Trovero to clean up the spill, he presently denies ownership of the tanks.

The CERCLIS preliminary assessment site reconnaissance visit was conducted on the afternoon of March 26, 1991 by Sheila Murphy of IEPA's Division of Land Pollution Control. Shortly after her arrival, Ms. Murphy was approached by Todd Hudson. Mr. Hudson said the area used to be an asphalt plant/mine dump.

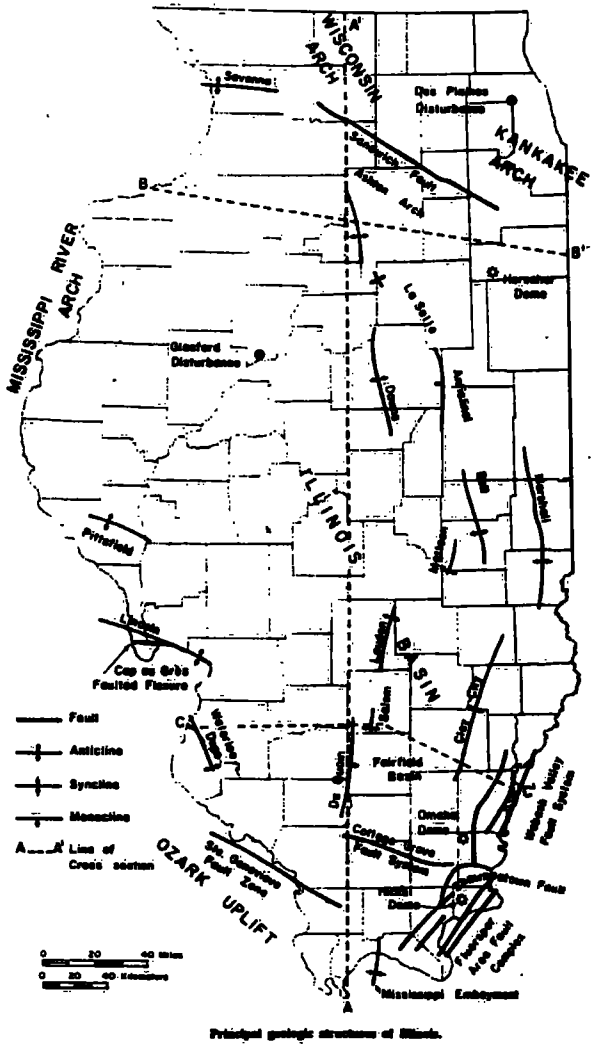
The only activity in close proximity of the tanks was that of Tabor Grain employees. They were working approximately 40 feet from the tanks. A later conversation with Mr. Hudson revealed the workers being out there was a one time project. However, an access road approximately 75 feet from the tanks is frequented daily.

The bank between the tanks and the canal was lacking in vegetation in comparison with the rest of the area. This is probably a result of insufficient time for new growth since the excavation in March of 1990.

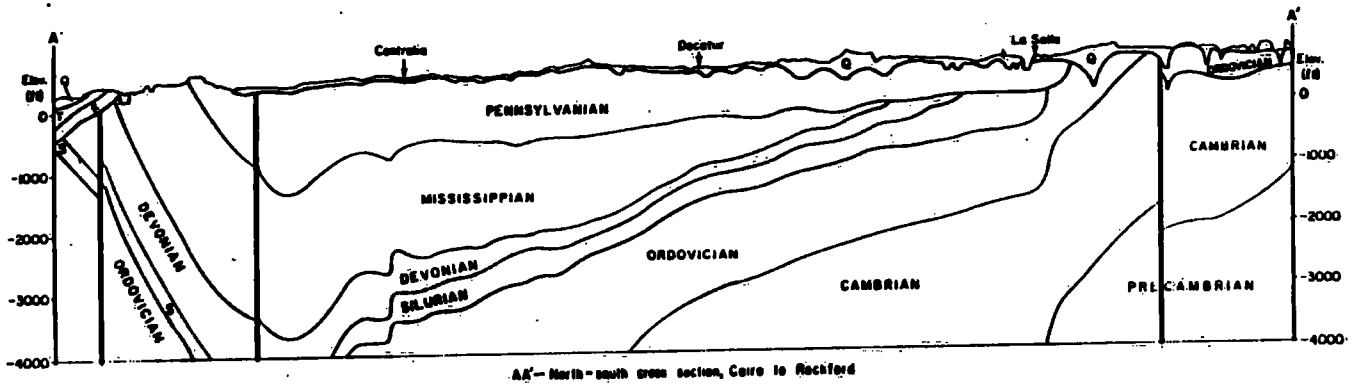
The tanks themselves appeared to be worn, although no additional leakage was observed. The bank was marked by rubbish such as plastic lining, a tire and disposable cups. Approximately nine drums and several drum fragments were also present.

Geological records suggest the geology in the La Salle area is somewhat erratic due to the La Salle anticline. The west side of the La Salle anticline features a depression with underlying bed rock that dips toward the west then immediately rises straight up. To the east of the anticline's fold, the ground surface is step-like. Unlike the anticline's west side, this strata has a downward gradient that slopes toward the east. From the north is a downward gradient of a strike which angles toward the Illinois basin. Please refer to Figure 1. The older structures are exposed along the anticline's apex due to the erosion of previously deposited formations.

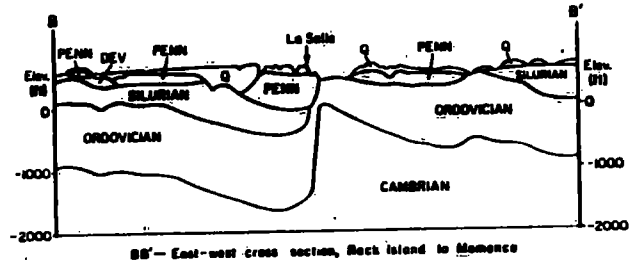
A multiple-aquifer, system consisting of sand and gravel, limestone and sandstone, is the supplier of drinking water within a four mile radius of the site. According to ISWS well logs, the depths of these wells are as shallow as 11 feet (sand and gravel) and as deep as 285 feet (sandstone)



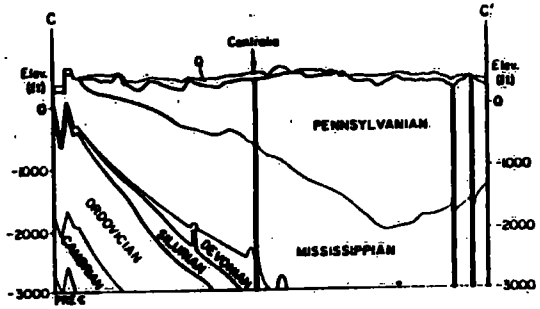
Principal geologic structures of Illinois.



AA'— North-south cross section, Cairo to Rockford



BB'— East-west cross section, Rock Island to Momence



CC'— East-west cross section, Belleville to Cerro

Q - Quaternary T - Tertiary PENN - Pennsylvanian
K - Cretaceous S - Silurian DEV - Devonian

0 50 100 miles
0 50 100 kilometers

Geologic cross sections

FIGURE 1

Taken from ISGS Handbook of Illinois Stratigraphy :1975

and 423 feet (limestone). The municipal wells of La Salle are 60 to 70 feet deep. They are completed in the alluvial deposits of the Illinois River. However, approximately two miles west of these are the Peru municipal wells. These wells are finished in St. Peter Sandstone at depths ranging from 2,591 to 2,764 feet.

Overlying the Silurian-Niagaran Limestone is a confining layer of Maquoketa. Thus, the aquifer of concern is the shallow sand and gravel. The closest known municipal wells and residential wells completed in this aquifer are slightly more than one mile from the site.

Drainage from the site flowed approximately 20 feet over a bank into the Illinois and Michigan Canal which lies south of the site. One mile west of the site, the I & M Canal flows into the Illinois River. There are no documented surface water intakes 15 miles downstream from the site. However, these two bodies of water serve as other purposes.

The I & M Canal and the Illinois River are both fisheries. When the spill from the tanks was investigated, several fish and a blue heron were found dead. There exists a potential for a greater number of fish or other wildlife that might have been killed and washed downstream prior to the spill discovery.

Extending 15 miles downstream are several sensitive environments. Wetlands are located along the bank of where the tanks are situated and are dispersed adjacent to the

Illinois River for the extent of the 15 miles downstream. Spring Lake is a natural area located between Illinois River Miles 210 and 212 (approximately 13 miles downstream of site). The rookery of the state-endangered Great Egret, Casmerodius albus, is located in this natural area. State-managed areas designated for wildlife are also located downstream of the site.

There was no documented or suspected release of hazardous chemicals to air.

There are no residents, schools or daycares within 200 feet of the site. As previously mentioned, on the day of the reconnaissance visit, Tabor Grain employees were working about 40 feet from the tanks. Approximately 75 feet from the tanks is an access road used everyday by Tabor Grain truck drivers. There are no means by which access to the tanks is restricted. Other than the tanks themselves, there is no type of containment for the potentially hazardous contents. Although the spill was cleaned up and surrounding soil, shrubbery and trees were excavated the tanks still pose a threat in regards to the potential reoccurrence of another leak.

There is no documented evidence about other sources contributing to this site. However, U.S.EPA and IDOC files mention the possibility of this area being used as an unregulated dump site for many years past.

Due to the documented impact the spill has had on soil

and surface water fisheries and sensitive environments and the remaining threat that still exists, a medium priority is assigned to the I & M Canal site. Recommended further action includes U.S.EPA's Region Five advancement of this site to the screening site inspection stage of the CERCLA preremedial process.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D984785071

II. SITE NAME AND LOCATION

01 SITE NAME	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Illinois + Michigan Canal	South of River + Chartres Street intersection

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
La Salle	IL	61301	La Salle	099	IL-14

09 COORDINATES LATITUDE	LONGITUDE	
41° 19' 28"	88° 06' 18"	La Salle Quad Map 62D

10 DIRECTIONS TO SITE (Starting from nearest public road)
Route 6 to LaSalle, turn south onto Creve Coeur, turn right (west) onto River Street. Follow this until come to a sign ADM Growmark, Tabor Grain. Follow this access road

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Illinois Department of Conservation	524 S. 2nd Street

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Springfield	IL	62701	(217) 782-6302

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ■ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ■ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
■ YES ☐ NO DATE ___/___/___ (MONTH DAY YEAR)
BY (Check all that apply)
■ A. EPA ☐ B. EPA CONTRACTOR ■ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
☐ A. ACTIVE ■ B. INACTIVE ☐ C. UNKNOWN	_____ (BEGINNING YEAR) _____ (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Petroleum based oil with contaminents

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Surface Water (population, environment) Ground Water (population and environment)
Soil Exposure (Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspection on time available basis) ■ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Todd Hudson	Tabor Grain	(815) 223-7907

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Sheila Murphy	IEPA	RPMS	(217) 785-7402	6 17 91 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984785071

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A SOLID
- B POWDER, FINES
- C SLUDGE
- D OTHER (Specify)
- E SLURRY
- F LIQUID
- G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS
- NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- A TOXIC
- B CORROSIVE
- C RADIOACTIVE
- D PERSISTENT
- E SOLUBLE
- F INFECTIOUS
- G FLAMMABLE
- H IGNITABLE
- I HIGHLY VOLATILE
- J EXPLOSIVE
- K REACTIVE
- L INCOMPATIBLE
- M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	~1500	gallons	
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	Ethylbenzene	100-41-4	Spilled	.0187	ppm
OLW	Toluene	108-88-3	"	.0381	ppm
OLW	Xylene	1330-20-7	"	.0173	ppm
OLW	Pentachloroprene	87-86-5	"	.211	ppm

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USEPA File (from Verneta Simon, OSC)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D984785071

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None documented or observed.

01 ■ B SURFACE WATER CONTAMINATION — 02 ■ OBSERVED (DATE 3/21/90) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: None — 04 NARRATIVE DESCRIPTION

Oil was reported as being on the surface of the I+M Canal. Booms + Sorbent pads were used as a means of containing + cleaning up the site.

01 ☐ C CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☐ D FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None observed or documented.

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None documented or observed.

01 ■ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE 3/21/90) — POTENTIAL — ALLEGED
03 AREA POTENTIALLY AFFECTED: > 1 acre — 04 NARRATIVE DESCRIPTION

Analytical results indicated the spill was a potentially contaminated petroleum based oil. Sand was spread over as a means of containment. The soil was later excavated.

01 ☐ G DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None documented or observed.

01 ■ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ■ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ~7 — 04 NARRATIVE DESCRIPTION

Some workers in the vicinity, but sight has been cleaned up. No injuries documented.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE ___ / ___ / ___) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ___ — 04 NARRATIVE DESCRIPTION

None documented or observed.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D984785071

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ■ J. DAMAGE TO FLORA — 02 ■ OBSERVED (DATE: 3/23/90) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Trees on the northern + southern banks were stained black. Some stains appeared to be 4 to 5 feet above the H_2O level. Stained soil, shrubbery + trees were removed from the area.

01 ■ K. DAMAGE TO FAUNA — 02 ■ OBSERVED (DATE: 3/21/90) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)
A blue heron and several fish were found dead. The deaths are believed to be caused by the spill.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Several fish were found dead.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills, runoff, standing liquids, leaking drums) — 02 ■ OBSERVED (DATE: 3/21/90) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
Leak from a storage tank.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None documented or observed.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None documented or observed.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None documented or observed.

06 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
None documented or observed.

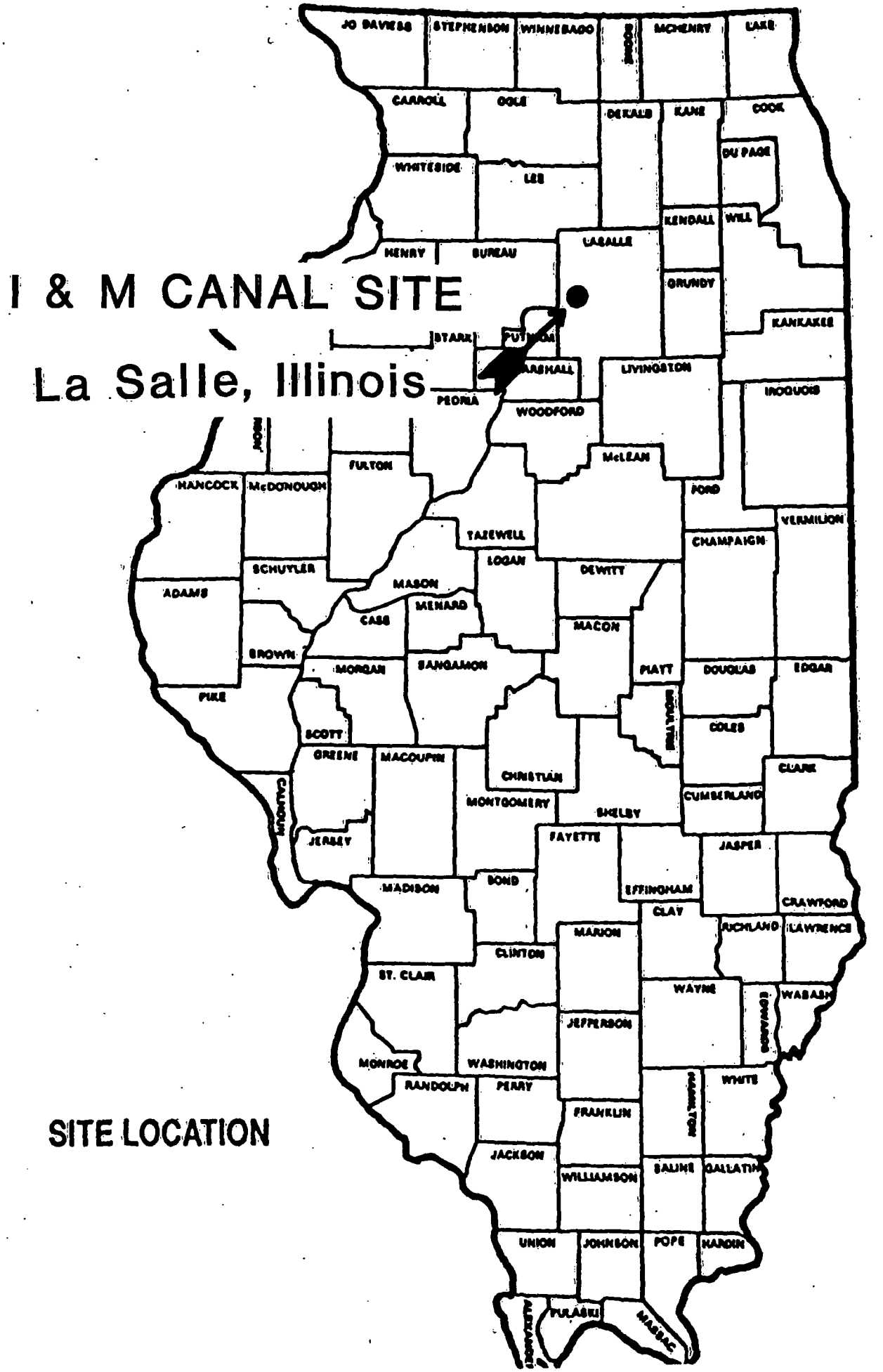
III. TOTAL POPULATION POTENTIALLY AFFECTED: None

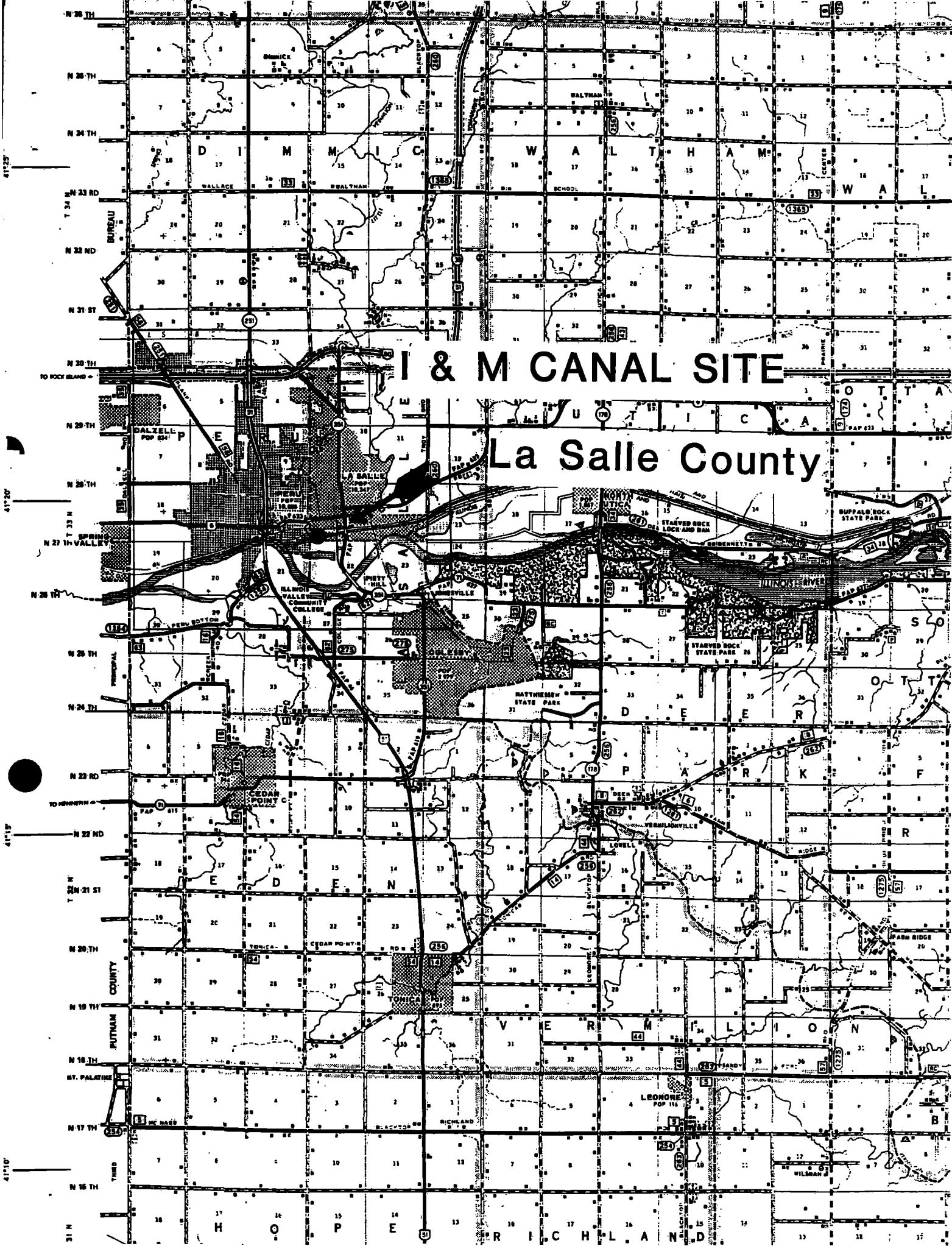
IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
USEPA File (from Verneta Simon, OSC)
Aber Hashem, USEPA, Cheif of Chemical Control Section

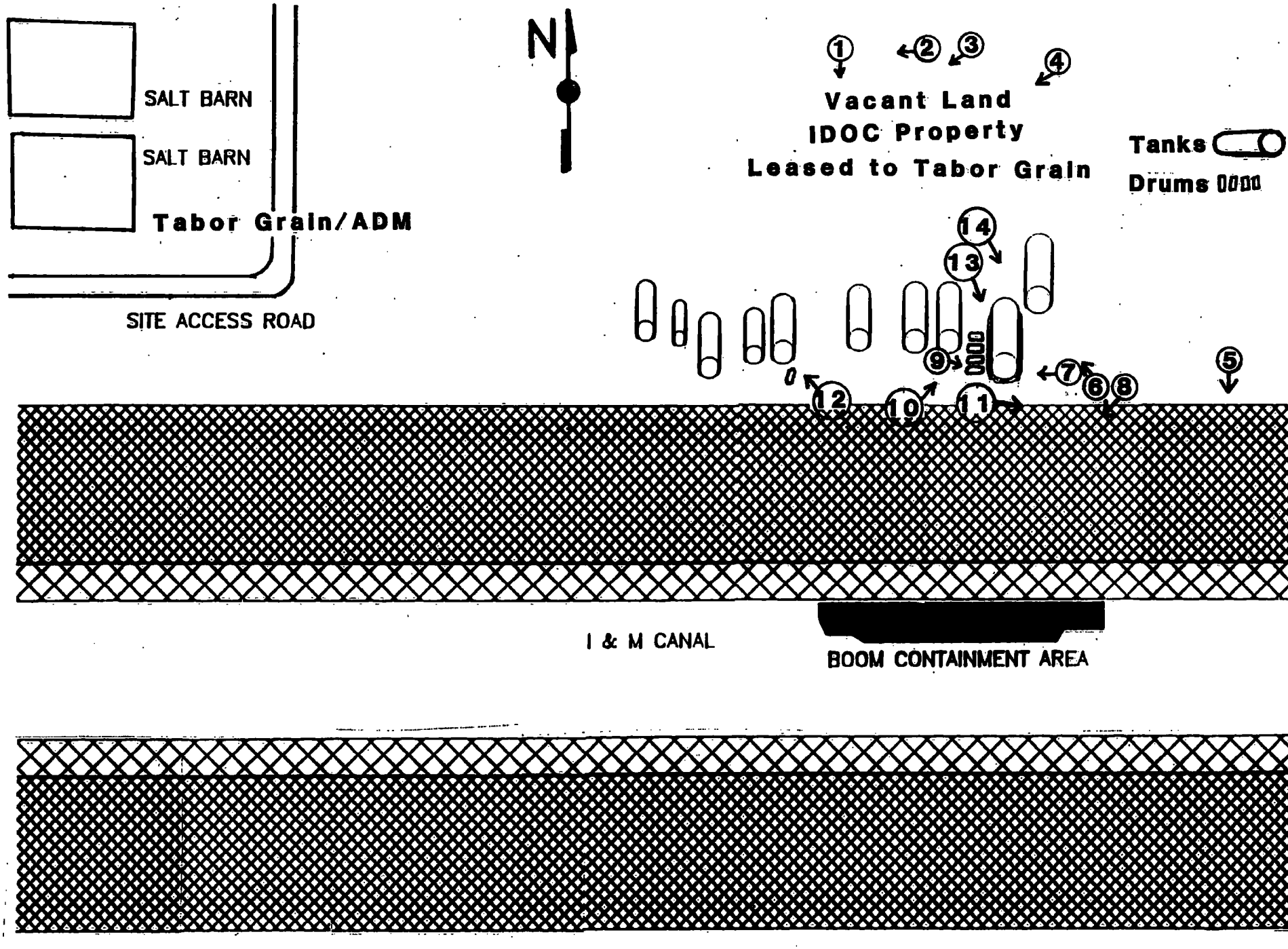
EPA FORM 2070-12 (7-81)


ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
SITE NAME: I+M Canal
SITE ILD#: 984785071
USGS TOPOGRAPHIC MAPS
NAME: Ladd
DATE: 1966
REVISED:
NAME: Troy Grove
DATE: 1966
REVISED: 1979
NAME: Spring Valley
DATE: 1966
REVISED: 1979
NAME: La Salle
DATE: 1966
REVISED: 1979
LEGEND
SITE LOCATION
PUBLIC WELL
PRIVATE WELL
SURFACE WATER INTAKE
ILLINOIS
QUADRANGLE LOCATION
MAP SCALE:
1
0
N
DIMMICK
WALTHAM
UTICA
LA SALLE
PERU
EDEN
DEER PARK
VERMILION
Churchill
Hegeler
Dalzell
Oglesby
Jonesville
Piety Hill
Cedar Point
ILLINOIS RIVER
LITTLE VERMILION RIVER
VERMILION RIVER
Huse Lake
Split Rock Lake
STARVED ROCK STATE PARK
MATTHIESSEN STATE PARK
Deer Park Country Club
South Bluff Country Club
Forest Lawn Memorial Park
Spring Creek Golf Club
BLACKWOOD AIRFIELD
St Hyacinth Cem
St Vincent Cemetery
St Bede College
Claretknoll Novitiate
Camp St Claret
Radio Towers (WLPO)
Roadside Park
BUREAU CO
LA SALLE CO
PUTNAM CO


I & M CANAL SITE
La Salle, Illinois
SITE LOCATION
JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
MCHENRY
LAKE
CARROLL
OGLE
DEKALB
KANE
COOK
DU PAGE
WHITESIDE
LEE
KENDALL
WILL
HENRY
BUREAU
LASALLE
GRUNDY
KANKAKEE
STARK
PUTNAM
MARSHALL
LIVINGSTON
PEORIA
WOODFORD
IROQUOIS
ROCK
FULTON
McLEAN
HANCOCK
McDONOUGH
FORD
VERMILION
TAZEWELL
CHAMPAIGN
SCHUYLER
LOGAN
DEWITT
ADAMS
MASON
MENARD
CASS
MACON
BROWN
MORGAN
SANGAMON
PIATT
DOUGLAS
EDGAR
PIKE
SCOTT
MOULTRIE
COLES
GREENE
MACOUPIN
CHRISTIAN
CLARK
CALHOUN
MONTGOMERY
SHELBY
CUMBERLAND
JERSEY
FAYETTE
JASPER
MADISON
BOND
EFFINGHAM
CRAWFORD
CLAY
RICHLAND
LAWRENCE
MARION
CLINTON
ST. CLAIR
WAYNE
EDWARDS
WABASH
JEFFERSON
MONROE
WASHINGTON
RANDOLPH
PERRY
WHITE
FRANKLIN
HAMILTON
JACKSON
WILLIAMSON
SALINE
GALLATIN
UNION
JOHNSON
POPE
HARDIN
ALEXANDER
PULASKI
MASSAC


I & M CANAL SITE
La Salle County

I & M CANAL SITE



DATE: March 26, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 1

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

South

DATE: March 26, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 2

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

West

DATE: March 26, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 3

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southwest

DATE: March 26, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 4

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southwest

DATE: March 26, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 5

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

South

DATE: March 26, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 6

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

northwest

DATE: March 26, 1991

TIME: 2:25 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 7

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

West

DATE: March 26, 1991

TIME: 2:25 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 8

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southsouthwest

DATE: March 26, 1991

TIME: 2:30 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 9

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southeast

DATE: March 26, 1991

TIME: 2:30 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 10

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Northeast

DATE: March 26, 1991

TIME: 2:30 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 11

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

east

DATE: March 26, 1991

TIME: 2:35 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 12

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

northwest

DATE: March 26, 1991

TIME: 2:40 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 13

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southeast

DATE: March 26, 1991

TIME: 2:40 PM

PHOTOGRAPH TAKEN BY:

Sheila Murphy

PHOTO NUMBER: 14

LOCATION: I+M Canal

COMMENTS: PICTURE TAKEN TOWARD

Southeast

Supporting Documentation

SUPPORTING DOCUMENTATION

Reference Number	Document
1	Analytical Results taken from U.S.EPA files March & April 1990
2	IDOC Memo to J. Johnson from L. Closson April 12, 1990
3	Letter to Mr. Heaton (U.S.EPA) April 27, 1990
4	IDOC Conversation Memo May 2, 1990
5	Letter from John Duncan May 19, 1990
6	Letter to Mr. Heaton (U.S.EPA) June 5, 1990
7	Letter from IDOC April 8, 1991
8	Phone Log of T. Werner (IDOC) & S. Murphy (IEPA) June 3, 1991
9	Phone Log of V. Simon (U.S.EPA) & S. Murphy (IEPA)
10	ISWS Well Logs
11	Handbook of Illinois Stratigraphy 1975
12	ISGS Geology & Mineral Resources of the Hennepin & La Salle Quadrangles 1919
13	Phone Log of T. Hudson (Tabor Grain) & S. Murphy June 20,1991

Supporting Documentation Cont.

14	Phone Log of D. Janka (Len Trovero Construction) & S. Murphy June 21, 1991
15	Phone Log of B. Egan (Len Trovero Construction) & S. Murphy June 26, 1991

Reference Number 1

GRACE ANALYTICAL LAB. INC.
5300-B MCDERMOTT DRIVE, BERKELEY. ILLINOIS 60163

F001 - F005 SOLVENT WASTES ANALYSIS DATA SHEET

STUDY NAME: Weston-90WT03 STUDY NO: GAL-900402

LAB SAMPLE I.D. NO: S-80 FILE REF. NO: >U0358

	CAS #	COMPOUND	AMOUNT (ug/kg)	
1.	67-64-1	ACETONE	75	U
2.	71-43-2	BENZENE	1.5	U
3.	71-36-3	N-BUTYL ALCOHOL	50	U
4.	75-15-0	CARBON DISULFIDE	3.0	U
5.	56-23-5	CARBON TETRACHLORIDE	1.5	U
6.	108-90-7	CHLOROBENZENE	1.5	U
7.	108-39-4	M-CRESOL	10	U
8.	106-44-5	P-CRESOL	10	U
9.	95-48-7	O-CRESOL	10	U
10.	108-94-1	CYCLOHEXANONE	50	U
11.	95-50-1	1,2-DICHLOROBENZENE	1.5	U
12.	141-78-6	ETHYL ACETATE	50	U
13.	100-41-4	ETHYLBENZENE		18.7
14.	110-80-5	ETHYLENE GLYCOL MONOETHYL ETHER	50	U
15.	60-29-7	ETHYL ETHER	75	U
16.	78-83-1	ISOBUTANOL	50	U
17.	67-56-1	METHANOL	50	U
18.	75-09-2	METHYLENE CHLORIDE	1.0	U
19.	78-93-3	METHYL ETHYL KETONE	50	U
20.	108-10-1	METHYL ISOBUTYL KETONE	3.0	U
21.	98-95-3	NITROBENZENE	1.5	U
22.	79-46-9	2-NITROPROPANE	50	U
23.	110-86-1	PYRIDINE	1.5	U
24.	127-18-4	TETRACHLOROETHYLENE	1.5	U
25.	108-88-3	TOLUENE		38.1
26.	71-55-6	1,1,1-TRICHLOROETHANE	1.5	U
27.	79-00-5	1,1,2-TRICHLOROETHANE	1.5	U
28.	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.5	U
29.	79-01-6	TRICHLOROETHYLENE	1.5	U
30.	75-69-4	TRICHLOROFLUOROMETHANE	1.5	U
31.	1330-20-7	XYLENE (total)		17.3

CODES: U - COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE VALUE REPORTED IS THE METHOD DETECTION LIMIT FOR REAGENT WATER.
J - ESTIMATED VALUE.
SLC - SUSPECTED LABORATORY CONTAMINANT.
SFC - SUSPECTED FIELD CONTAMINANT.

SPACE ANALYTICAL LABORATORY
8300-B MCDERMOTT DRIVE
BERKELEY, ILLINOIS 60163
708/449-9449

F001-F005 SOLVENT WASTES
ORGANICS ANALYSIS DATA SHEET

STUDY NAME: Weston / 90WT03 STUDY NO: GAL-900402

SAMPLE I.D. NO: S-80 FILE REF. NO: >V0358

TENTATIVELY IDENTIFIED COMPOUNDS	ESTIMATED AMOUNT (ug/kg)
[illegible]phthalene	95.1
2-Methylnaphthalene	1040
Dibenzofuran	114
Pentachlorophenol	211
Phenanthrene	375
Anthracene	65.8
Fluoranthene	248
Pyrene	462
[illegible]zo(a)anthracene	169
Chrysene	226
Bis(2-ethylhexyl)phthalate	30.6
Di-n-octylphthalate	14.6
Benzo(b)fluoranthene	109
Benzo(k)fluoranthene	91.9
Benzo(a)pyrene	154
Indeno(1,2,3-cd)pyrene	89.2
Dibenzo(a,h)anthracene	38.4
Benzo(ghi)perylene	116

PRELIMINARY

SPACE ANALYTICAL LAB, INC.
5300-B MCDERMOTT DRIVE, BERKELEY, ILLINOIS 60163

INORGANIC ANALYSIS DATA SHEET

STUDY NAME: Weston-PCWTP STUDY NO: GAL-900402

SAMPLE I.D. NO: S-80

TEST	RESULT
Total Cyanide	< 0.5 ppm
Total Sulfide	< 1.0 ppm
Phenols	< 1.0 ppm
pH	8.5
Paint Filter Test	Pass

Custody seal # 15353

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn St
Chicago, Illinois 6060(

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	CYANIDE	SULFIDE	PH/PAINT FILTER	PHENOLS/FLASH	SILVER	REMARKS
90WT03	[redacted]							P.O. # TO BE CALLED IN

SAMPLERS: (Signature) Venetta Senior

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	CYANIDE	SULFIDE	PH/PAINT FILTER	PHENOLS/FLASH	SILVER		REMARKS
B-80	3/29/90	1450		X	center of oil/soil pile	1-16oz	X	X	X				EPA TAG # 5-045494

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Venetta Senior	3/30/90 0930	Mark Balazs			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mark Balazs	3/30/90 1130	[signature]			
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				GRACE ANALYTICAL 5304-B MCDERMOTT DRIVE	

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

APR 02 '90 13:02 GRACE ANALYTICAL LAB P.02

by fax 3/29/90

WESTON
River Center, [illegible] South Canal Street, 5th Floor, Suite 955
Chicago, IL 60606 • (312) 993-1067 • FAX (312) 993-0226

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Commanding Officer
USCG-Marine Safety Laboratory
Avery Point
Groton, CT 06340

Re: Illinois and Michigan Canal Oil Spill at LaSalle-Peru, IL

Dear Commander:

Enclosed are three samples collected 26 March 1990, which USEPA On-Scene Coordinator Verneta J. Simon has contacted you about. Please refer to the Chain of Custody for correct sampling times. As the one who collected the samples, I would like to further clarify the sample locations. Oil-A was collected from material spilled directly beneath the ruptured tank. Oil-B, containing sand with oil, was collected from a seep on the northern bank of the canal, directly beneath the ruptured tank. Oil-C was collected from the sediments at the water line in the canal. Should you have any question or need additional information, please contact me at (312) 993-1067 or Verneta J. Simon at (312) 886-3601 or FTS 886-3601.

Sincerely,

Lisa Kamuf

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

5HS-12

Commanding Officer
USCG - Marine Safety Laboratory
Avery Point
Groton, CT 06340

RE: Illinois and Michigan Canal Oil Spill at LaSalle Peru, Il

Dear Commander:

U.S. EPA Region V is requesting analysis of three oil samples collected on March 26, 1990 from a spill along the Illinois and Michigan canal. These samples are being shipped by Federal Express and should arrive at your laboratory this afternoon. Please telefax your results to FTS 353-9176.

Should you have any questions or need additional information, please contact me at (312) 886--3601 or FTS 886-3601.

Sincerely,

Verneta S. Simon

Verneta J. Simon
On-Scene Coordinator

U.S. Department of Transportation
United States Coast Guard

Commanding Officer
U. S. Coast Guard
Central Oil Identification Laboratory

Avery Point
Groton, CT 06340-6096
Phone: (203) 441-2645
FTS-642-2645

16460

MAR 20 1990

U.S. Environmental Protection Agency
Region 5
ATTN: Verneta J. Simon
230 South Dearborn St.
Chicago, Il 60604

Dear Ms. Simon,

The laboratory analysis of the oil samples for your case COIL, Case No. 90-282 has been completed. Conclusions are based upon comparisons described in the Summary of Analysis.

The original technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request.

We will maintain the oil samples in refrigerated storage pending your instructions.

If you have any questions concerning this report or the analytical methods used, please contact the Supervisor of Analysis, CDR GIBSON. He can be reached at (203) 441-2645.

Sincerely,

L. H. GIBSON
Commander, U. S. Coast Guard
Commanding Officer

Encl: (1) COIL Report 90-282
(2) OIS Addendum

Copy: Commander, Ninth Coast Guard District (mer) w/o encl (1) and (2)

UNITED STATES COAST GUARD
OIL IDENTIFICATION LABORATORY

OIL SPILL IDENTIFICATION REPORT

LABORATORY CASE NUMBER: 90-282

REQUESTOR: US ENVIRONMENTAL PROTECTION AGENCY, REGION V
UNIT CASE NUMBER: NONE
RECEIVED: 90MAR28 **VIA:** FEDERAL EXPRESS (# 3543893614)

NUMBER OF SAMPLES: THREE (03)
LAB NO. OF SPILLS: 1
LAB NO. OF SUSPECTS: 2 AND 3
LAB NO. OF CLEAN WATER: NONE

ANALYSIS METHODS:

FLUORESCENCE SPECTROSCOPY (FL)
GAS CHROMATOGRAPHY (GC)
INFRARED SPECTROSCOPY (IR)
THIN LAYER CHROMATOGRAPHY (TLC)

RESULTS:

1. Sample 1 was specified to be representative of the spilled oil. Analysis indicates it has the characteristics of a moderately weathered mixture of light petroleum distillate heavy petroleum oil.

2. Samples 2 and 3 are observed to be similar to each other and to contain a mixture of light petroleum distillate and heavy petroleum oil with characteristics similar to those of sample 1. Minor differences noted are consistent with observed weathering patterns for this type of mixture of petroleum oils.

CONCLUSIONS:

1. Suspected source samples 2 and 3 and spill sample 1 are derived from a common source. Minor differences noted are directly attributable to variations in weathering of the samples.

L. H. Gibson

SUPERVISOR OF ANALYSIS L. H. GIBSON, CDR, USCG **DATE:** 90MAR29
Chemical Engineer

OIL SAMPLE ANALYSIS REPORT

ENVIRONMENTAL PROTECTION AGENCY REGION V
CASE NUMBER NONE

OIL IDENTIFICATION LABORATORY
CASE NUMBER 90-282

11/89

UNITED STATES COAST GUARD
OIL IDENTIFICATION LABORATORY

SAMPLE CHECK-IN LOG, COIL CASE NUMBER: 90-282

REQUESTOR: EPA REGION V UNIT CASE#: NONE

METHOD OF DELIVERY			DATE RECEIVED
FEDERAL EXPRESS	MESSENGER	OTHER	
AIRBILL NUMBER / DATE MAILED O/A			
3543893614 / 27 MAR 90			28 MAR 90

Samples were observed to be: broken NO, tampered with NO, leaking YES, or subject to contamination NO. For these and other unusual conditions, place an asterisk (*) next to the sample(s) in question and describe condition of sample(s)in remarks below.

LAB NO.	SAMPLE DESCRIPTION	SPILL	SUSPECT
*90-282-1	[OIL-A] COLLECTED FROM MATERIAL SPILLED BENEATH THE RUPTURED TANK 1658 26MAR90	XXX	
90-282-2	[OIL-B] COLLECTED FROM A SEEP ON THE NORTHERN BANK OF CANAL BENEATH TANK 1722 26MAR90		XXX
90-282-3	[OIL-C] COLLECTED FROM THE SEDIMENTS AT THE WATER LINE IN THE CANAL 1726 26MAR90		XXX

REMARKS:

Samples checked-in by: J. Allgeier MST2 Date: 28 Mar 90

Sample Custodian: J. Allgeier MST2 Date: 28 Mar 90

Supervisor of Analysis: LH Dibon Date: 29 MAR 90

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

Custody Seal #15[illegible]
FedEx Air bill # 35[illegible]893614

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

MAR-29-1990 15:19 FROM CG MSL GROTON, CT TO 8353976 P.09

PROJ. NO.:

PROJECT NAME: I and M Canal La Salle, IL

SAMPLERS: (Signature) [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	REMARKS
							EPA tag nos.
	3-26-90	1658		X	OIL-A	1-8oz glass	5-093501
	3-26-90	1732		X	OIL-B	1-8oz	5-093502
	3-26-90	1724		X	OIL-C	1-8oz	5- 3503

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	3-28 1000	Federal Express			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks

Distribution: Original Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 01876

BPM INDUSTRIES
[illegible]50 Ju[illegible]on Avenue - Schererville, India[illegible]6375
1-219-322-2560 ● 1-800-428-3311

REPORT TO:

Bill Missal
CHC
2000 Dombey Road
Portage, IN 46368

Date: 3/29/90

Recd: 3/26/90

WO #: 22-1425

Laboratory Sup ID No.:	AA14484	AA14485					
DESCRIPTION: —> [Unless otherwise noted; results in parts per million - ppm] PARAMETERS:	Oil	Soil					
EP TOXICITY METALS							
Arsenic	<0.01	<0.01					
Barium	<0.05	0.250					
Cadmium	<0.002	0.023					
Chromium	0.026	0.090					
Lead	<0.01	0.331					
Mercury	<0.0001	<0.0001					
Selenium	<0.01	<0.01					
Silver	<0.002	0.008					
Flashpoint	>200°F	>200°F					

Certified by: Carl L. Curtis

TE CO LABORATORIES
BPM INDUSTRIES
1150 Junction Avenue - Schererville, Indiana 46375
1-219-322-2560 ● 1-800-428-3311

REPORT TO:

Bill Missal
CHC
2000 Dombey Road
Portage, IN 46368

Date: 3/29/90
Recd: 3/26/90
WO #: 22-1425

EPA METHOD SW 846-8080

Laboratory Smp ID No.:	AA14484	AA14485					
DESCRIPTION: ——> Unless otherwise noted; results in milligram/ kilogram - mg/kg PARAMETERS:	Oil	Soil					
PCB's as:							
AROCHLOR 1016	ND	ND					
AROCHLOR 1221	ND	ND					
AROCHLOR 1232	ND	ND					
AROCHLOR 1242	ND	ND					
AROCHLOR 1248	ND	ND					
AROCHLOR 1254	ND	ND					
AROCHLOR 1260	ND	ND					

* ND-Not Detected at 1 mg/kg

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office memorandum

Reference Number 2

to: Jay Johnson

from: Larry Closson

date: April 2, 1990

subject: Field Report #90-1-28 - Oil Spill on the I-M Canal

Attached find a field report concerning an oil spill which occurred on the I-M Canal. Now that it has been determined that these tanks are on Department of Conservation property, I am recommending that further follow-up on this case be handled by our Legal Section, as well as the Division of Land Management.

It is my understanding that you want questions regarding ~~this~~ leased land referred to Ron Chezem. I will notify my personnel of this.

Larry D. Closson, Chief

LDC:dep

Attachment

Conservation Law Enforcement **FIELD REPORT** PAGE 1 of 4

Complaint: Oil Spill on the I-M Canal
Date Occurred: 03-21-90 Time 1000 P M
Date Reported: 03-22-90m Time 500 P M

1. Location of Occurrence: LaSalle City owned property east of Tabor Grain Company

2. Complainant (Last-First-MI) Address Phone: State of Illinois

3.

Code:	A-Arrested	D-Person Discovering Crime	O-Offender	V-Victim	W-Witness	X-Other
	(Last-First-MI)		Address			Phone
0	Len Trovero Construction - Central Illinois Contracting Corporation					

4.

Race	Sex	Date of Birth	Weight	Height	Hair	Eyes	Build	Complexion	Tattoos-Scars-Marks
DNA	X	/ X /	X	X	X	X	X	X	X

5.

Code:	(Last-First-MI)	Address	Phone
0	City of LaSalle		

Race	Sex	Date of Birth	Weight	Height	Hair	Eyes	Build	Complexion	Tattoos-Scars-Marks
DNA	X	/ X /	X	X	X	X	X	X	X

Code:	(Last-First-MI)	Address	Phone

Race	Sex	Date of Birth	Weight	Height	Hair	Eyes	Build	Complexion	Tattoos-Scars-Marks
		/ /							

Code:	(Last-First-MI)	Address	Phone

Race	Sex	Date of Birth	Weight	Height	Hair	Eyes	Build	Complexion	Tattoos-Scars-Marks
		/ /							

6.

Vehicle Year	Make	Color	VIN/Serial Number	License No. (Year-State)	Towed
DNA	X	X	X	X	Yes X No

7. Narrative:

On 03-21-90, at approximately 10:50 AM, I was contacted by Robert T. Hudson, General Manager of Tabor Grain Company in LaSalle. Hudson had informed me that a large amount of what appeared to be oil was leaking from an old tank on the property adjacent to the grain company. Mr. Hudson also told me that he knew who owned the tank and that he was willing to take me to it.

CPO Eric Anderson and myself travelled to LaSalle to answer the complaint. Upon our arrival, we contacted CPO Harris Brewer and Lt. Jim Thomas who at the time were answering fishermans complaints that oil was emerging from the canal into the river. Officer Anderson and my-self informed Lt. Thomas and CPO Brewer that we had found the source of the pollution and that

Evidence Seized: XXX Yes No
Type & Identifying Numbers: Photographs

Location Where Evidence is Stored (Address): Region I H.Q. Sterling Office

Reporting Officer(s)	Date Signed	Dist.-Region	Reviewing Supervisor	Date Reviewed
Travi 289	03-22-90	20 I	R Zimmerman 161	3/25/90

Other Agencies Contacted-Referred	Date Contacted	Person Contacted
Illinois E.P.A.; U.S. E.P.A.	03-21-90	John Krolak, Verneta Simon

Case Status: ___ Referred to other Jurisdiction X Pending ___ Cleared by Arrest ___ Closed ___ Unfounded

Lt. Jim Thomas

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Canary — Regional HDQ
Pink — SA
Goldenrod — Officer

IL 422-0083 (11/86)

Conservation Law Enforcement **SUPPLEMENTARY** Report No: 90-1-28

Complaint	See title page	Date — Time Reported

1.

Code:	A — Arrested D — Person Discovering Crime O — Offender V — Victim W — Witness X — Other			
	Name — Last-First-MI Address	Race	Sex	Date of Birth

2.

Narrative:

Robert Hudson was going to take us to the leaking tank.

At 1:00 p.m. we met with Tabor Grain employee Bill Kurtz, who showed us where the leaking tank was located. Upon visual inspection of the site, we observed large quantities of what appeared to be oil underneath the tank, on both sides of the canal, and in the canal itself. (See Photos)

At this time a truck arrived at the site bearing the business logo of Len Trovero Construction Company on its side. The men driving the vehicles identified themselves to me as Donald Janka and Bill Egan, both employees of Len Trovero. The men began to look over the tank in an effort to correct the situation. Janka informed me that the tanks belonged to Central Illinois Contracting Corporation which is owned by Len Trovero.

At approximately 1:30 p.m. Mayor Paul Murphy of LaSalle arrived at the site and talked to Lt. Thomas. It was learned that the leaking tank rested on the City of LaSalles property. Lt. Thomas and CPO Brewer aided Robert Hudson and his crew in laying out a floating boom in order to confine the spill to one area of the shoreline.

At approximately 2:00 p.m. I contacted the Illinois E.P.A. and notified them of the spill. The Illinois E.P.A. did not have anyone available for us so they referred me to Paul Steadman of the U.S. E.P.A. I contacted Steadmans office and talked to Jack Barnett. Barnett told me that he was

Reporting Officer(s)	Date Signed	Dist. — Region	Reviewing Supervisor	Date Reviewed
3.				

Other Agencies Contacted — Referred	Date Contacted	Person Contacted
4.		

Case Status ___ Referred to other Jurisdiction ___ Pending ___ Cleared by Arrest ___ Closed ___ Unfounded

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IL 422-0084 (11/86)

Conservation Law Enforcement **SUPPLEMENTARY** Report No: 90-1-28

Complaint	Date — Time Reported
1. See title page	

Code: A — Arrested D — Person Discovering Crime O — Offender V — Victim W — Witness X — Other	Name — Last-First-MI	Address	Race	Sex	Date of Birth
2.					

Narrative:

sending an onscene coordinator and an engineer to our location from Chicago.

At approximately the same time Charles Trovero arrived at the site to aid in the cleanup. Mr. Trovero introduced himself to me as Chuck Trovero son of Len Trovero. He also told me that they (Trovero Construction) owned the tanks. Chuck Trovero also told us that the tanks contained high viscosity M.C. asphalt oil. The leaking tank had a capacity of 10,000 gallons, however, it is unknown if the tank was full to capacity.

At 4:30 p.m. Verneta J. Simon and her assistant from the U.S. E.P.A. arrived. Simon viewed the site, talked to Charles Trovero and began plans for cleanup. Simon brought in a company by the name of CMC to start the cleanup. CMC's project manager for the cleanup was William Missal. Officer Anderson and myself left the site at approximately 6:00 p.m. Cleanup continued through the night.

On 03-22-90 at approximately 9:00 a.m. I contacted the LaSalle County State's Attorneys office in reference to the spill. I was referred to Robert M. Eschbach, environmental attorney for the LaSalle County State's Attorney office. I explained the details of the case to Mr. Eschbach and he agreed to meet me at 1:00 p.m. that day to look the situation over.

At approximately 10:00 a.m., I met Lt. Thomas at the site. I was informed at that time that CMC may halt the cleanup because Trovero's would

Reporting Officer(s)	Date Signed	Dist. — Region	Reviewing Supervisor	Date Reviewed
3.				

Other Agencies Contacted — Referred	Date Contacted	Person Contacted
4.		

Case Status ___ Referred to other Jurisdiction ___ Pending ___ Cleared by Arrest ___ Closed ___ Unfounded

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IL 422-0084 (11/86)

Conservation Law Enforcement **SUPPLEMENTARY** Report No: 90-1-28

Complaint: See title page | Date — Time Reported:

1.

Code:	A — Arrested D — Person Discovering Crime O — Offender V — Victim W — Witness X — Other			
	Name — Last-First-MI / Address	Race	Sex	Date of Birth
2.				

Narrative:

not sign a contract with them. I also took Mark McConnaughhay, Site Superintendant for the canal, the canals fisheries biologist, U.S. E.P.A. Verneta Simon, and Charles Trovero out onto the canal in the work boat to visually check the canal and the Departments property which included the opposite bank. Verneta Simon concurred that the spill was bad enough on the opposite bank to justify its cleanup.

At 1:00 p.m. we met with Assistant State's Attorney Robert Eschbach. Mr. Eschbach viewed the site and told us to get back with him when we have concluded our investigation in order to have charges filed.

At approximately 2:30 p.m., Bill Missal advised me that he would not continue cleanup because Trovero would not sign an agreement.

At approximately 3:00 p.m., I had a telephone conversation with Jack Barnett of U.S. E.P.A. Barnett informed me that the project had been Federalized and that funding was available for Verneta Simon to hire a cleanup contractor. I was also told that CMC had settled their differences with Trovero, a contract was signed and that a cleanup would continue throug the night.

Charges against Trovero and possibly the City of LaSalle are pending. Included in this report are evidence photographs, a diagram of the site, and a voluntary statement from Robert Hudson.

Reporting Officer(s)	Date Signed	Dist. — Region	Reviewing Supervisor	Date Reviewed
3.				

Other Agencies Contacted — Referred	Date Contacted	Person Contacted
4.		

Case Status: ___ Referred to other Jurisdiction ___ Pending ___ Cleared by Arrest ___ Closed ___ Unfounded

Offense Change Approved by:

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IL 422-0084 (11/86)

76-1-20

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VOLUNTARY STATEMENT

(NOT UNDER ARREST)

DISTRIBUTION: White — Office
Canary — Regional Headquarters
Pink — SA

I, Robert Todd Hudson, am not under arrest for, nor am I being detained for any criminal offenses concerning the events I am about to make known to Dept of Conservation
Without being accused of or questioned about any criminal offenses regarding the facts I am about to state, I volunteer the following information of my own free will, for whatever purposes it may serve.

I am 36 years of age, and I live at 254 - 5TH St. LASALLE, ILL. 61301

3/21/90 (10:30 A.M.) MET (2) IDOC OFFICERS NEAR our east property line. They informed me they were INVESTIGATING A report of A barrel of oil leaking into the I & M. CANAL. We searched the area to NO success AND they decided to get a boat and check the CANAL by WATER
(10:45 A.M) AFter they left I continued my search AND found a tANK leaking oil into the CANAL ON property adjacent to TABOR GRAIN Co. property.
(10:46 A.M.) HAd our dispatcher CALL I.D.O.C. LOCAL office AND notify them I had LOCATED the leak.
(10:47A.M.) Notified I.E.P.A. John Kralak recorder
(10:48A.M.) NOTIFIED MAYOR OF LASALLE'S OFFICE
(10:50A.M.) CALLED Scott TRIVI IDOC AND EXplained the problem.
(10:53 A.M.) Notified A.D.M./TABOR MGT. + Legal Dept.
(1:30 P.M.) MET WITH I.D.O.C. OFFICERS, POLICE, + MAyor MURPHY
(1:35 P.M) I.D.O.C. + TROUER's Rep. Bill EGAN ASK ME to help find pollution pollution containment equipment.
(1:40 P.M.) CALLED C.F. Dock Doug Lewis for help + Equipment boom
(1:45 P.M) CALLED S.T. Dock, Georgia for help " "
(1:50 P.M.) TROUER'S OFFICE CALLED Mr. Vonk's secretary back for help.
(2:00 P.M) CALLED CITGO TERMINAL Greg Pihall for equipment.

I have read each page of this statement consisting of 2 page(s), each page of which bears my signature, and corrections, if any, bear my initials, and I certify that the facts contained herein are true and correct.

Stated at LASALLE, TABOR office, this 22 day of MARCH 1990.

WITNESS: Scott Trivi 289

WITNESS: Eric C. Anderson 293

Robert T. Hudson
Signature of person giving voluntary statement.

IL 422-0487

90-1-28

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VOLUNTARY STATEMENT

(NOT UNDER ARREST)

DISTRIBUTION: White — Office
Canary — Regional Headquarters
Pink — SA

I, Robert Todd Hudson, am not under arrest for, nor am I being detained for any criminal offenses concerning the events I am about to make known to Dept of Conservation
Without being accused of or questioned about any criminal offenses regarding the facts I am about to state, I volunteer the following information of my own free will, for whatever purposes it may serve.

I am 36 years of age, and I live at 254 - 5TH LASALLE, ILL 61301

(2:00 P.M.) The rest of the afternoon I used the M/V Miss-T and TABOR personnel to load and deploy pollution containment equipment in the CANAL.

Several years ago when Mayor GUNIA was in office I asked him if we could get the tanks moved he said he would check into it. Mr Lew Trovero notified me that they were his AND he had permission to store them on city property.

I have read each page of this statement consisting of 2 page(s), each page of which bears my signature, and corrections, if any, bear my initials, and I certify that the facts contained herein are true and correct.

Stated at LASALLE, TABOR OFFICE, this 22 day of MARCH 1990.

WITNESS: Scott Trani 289

WITNESS: Eric C. Anderson 293

Robert T. Hudson
Signature of person giving voluntary statement.

IL 422-0487

70-1-28

Illinois Department of Conservation
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memorandum

to: Report #

from: CPO Travi

date: 03-22-90

reference:

subject: Trovero spill

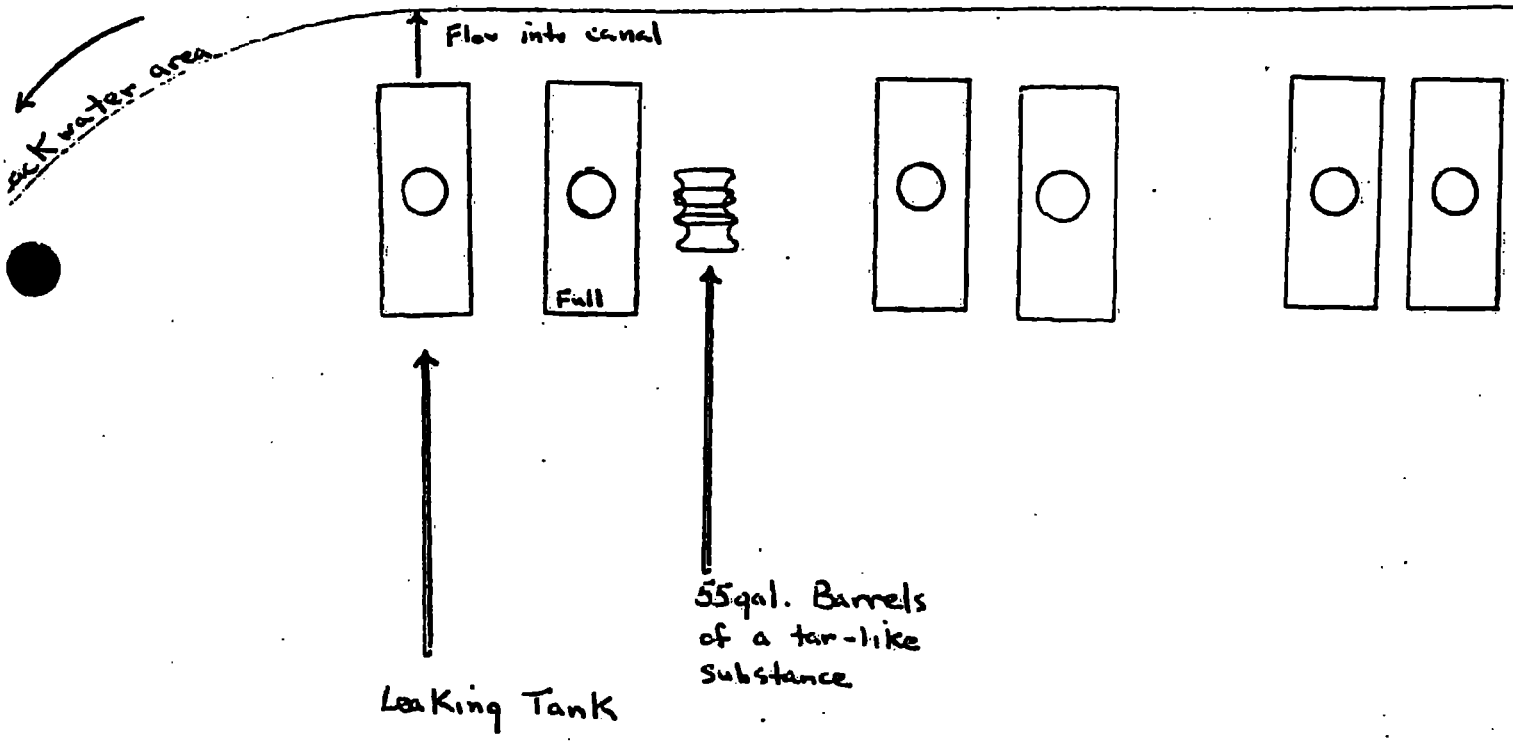
N

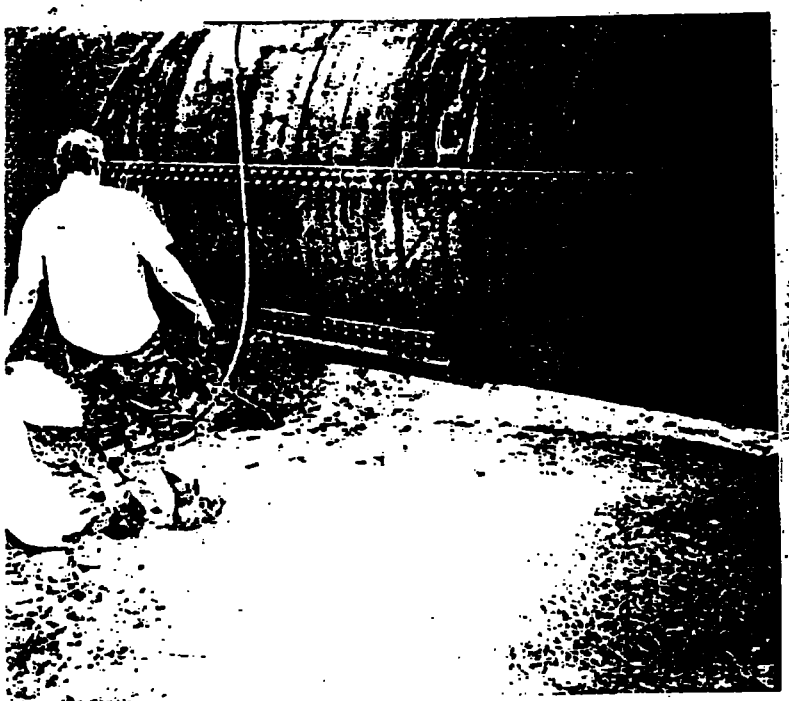
Wetlands

I-M Canal ROW

← Dept. LAND - I-M canal water →

To Lock 14 ◁ I-M canal ROW ▷ To Illinois River





Reference Number 3

WESTON SM MANAGERS DESIGNERS/CONSULTANTS
River Center, 111 North Canal Street, 8th Floor, Suite 855,
Chicago, IL 60606 • (312) 993-1067 • FAX (312) 993-0226

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Mr. Duane Heaton
Deputy Project Officer
Emergency Support Section, 5HS-12
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, IL 60604

April 27, 1990

TAT-05-G2-01809

Re: LaSalle Oil Spill, LaSalle, Illinois
TDD# 5-9003-31

Dear Mr. Heaton:

At 1325 hours on March 23, 1990, the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to respond to an oil spill on the Illinois and Michigan (I&M) Canal in LaSalle, LaSalle County, Illinois (Figure 1).

TAT members Anne Potje and Kevin Axe arrived at the spill at 1600 hours on March 23, 1990. The TAT observed that the spill had originated from a railroad tank car located on the northern bank of the I&M Canal south of the intersection of Chartres and Canal Streets in the southern section of LaSalle, Illinois. Surface topography slopes downward from downtown LaSalle towards the canal. The canal joins the Illinois River approximately one mile west of the spill site. Site geology consists of several feet of manmade fill overlying Wisconsonian-aged glacial till. Local bedrock is highly fractured Silurian-and Ordorician-aged dolomites.

U.S. EPA On-Scene Coordinator (OSC) Verneta Simon, who had responded to the spill on March 21, 1990, was on site, monitoring the removal efforts of the Potentially Responsible Party (PRP). OSC Simon informed the TAT that on March 21, 1990 two fishermen had reported oil on the surface of the I&M Canal to the Illinois Department of Conservation. On the same day, the Department of Conservation reported the incident to the U.S. EPA, and the PRP. PRP Chuck Trovero of Len Trovero Construction Company (Trovero), although disclaiming ownership of the tanks, mobilized Trovero personnel and equipment, and CMC of Portage, Indiana to begin a cleanup.

The TAT observed six railroad tank cars and four smaller tanks on a bank 15 to 20 feet above the canal (Figure 2). The area surrounding the tanks was not fenced. Road salt residues were observed mixed with the surface clay and gravel of the parking area immediately north of the tanks. Dump trucks carrying road salt

from a neighboring storage facility passed within 50 yards of the tanks regularly. PRP personnel reported that the site was previously a lowland where unregulated dumping had taken place for decades. The TAT observed construction debris and drum fragments imbedded in the bank. The TAT observed a dead blue heron, which was covered in a black, tar-like material.

The PRP had pulled the leaking railroad tank car away from the bank, exposing an opening at the bottom of the tank that was stained with the black material. At the time of the initial response, the PRP had sealed this opening with a metal plate. The TAT observed approximately 200 feet of booms placed in the canal to contain the black material which continued to enter the canal from stained sediments at the shoreline. The TAT observed black stains on trees 4 to 5 feet above the current water level, indicating that the water level in the canal fluctuated. Some of the stains appeared to be recent while others appeared to be older. Stained trees were visible on both the northern and southern banks of the canal.

OSC Simon stated that the PRP had crossed the canal and removed oil-stained soil and debris from the southern bank. The PRP was continuing to remove stained soil, shrubbery, and debris from the northern bank of the canal with a backhoe, and had constructed a berm around a pool of material that remained on the soil surface next to the railroad tank car.

The TAT interviewed Mr. Trovero, who indicated that approximately 1500 gallons of material had been released from the railroad tank car through a torn valve at the bottom of the tank.

The TAT observed a seep of the thick black material emanating from the bank approximately six feet below the land surface, beneath the apparent original location of the spilled tank. CMC had used a backhoe to scrape stained soils from the bank, uncovering the seep. The seep was approximately eight inches in diameter and had flowed a distance of approximately one foot. The TAT suggested that this seep could continue to flow over the weekend, and recontaminate the canal. OSC Simon convinced Mr. Trovero to allow the booms to remain in the canal over the weekend as a means of containment. Mr. Trovero also ordered CMC to spread a four-inch layer of sand over the seep as a means of containment.

CMC collected a sample of the black material, and upon the OSC's request was arranging for polychlorinated biphenyl (PCB) analysis. In addition, CMC was planning to analyze the sample for flash point and extraction procedure (EP) toxicity, in order to obtain disposal

approval. By 1720 hours, the courier from CMC's subcontracted lab had not yet arrived to pick up the sample, and OSC Simon requested that TAT collect a sample to verify the PRP results.

At 1720 hours, CMC was continuing to use a vacuum truck to remove oil from the water surface inside the booms. Small patches of oil remained on the water surface, and at the OSC's suggestion, CMC then attempted to remove the remaining oil using sorbent pads. After approximately 20 minutes, Mr. Trovero stated that his contractors had cleaned the spill to his satisfaction.

At approximately 1750 hours, Mr. Trovero released two dump trucks owned by his construction company from the site and allowed CMC to discontinue cleanup efforts. The dump trucks, lined with visqueen and carrying the contaminated soil and debris, were to be parked in a lot owned by Trovero until disposal approval was obtained. CMC then commenced with equipment decontamination, depositing contaminated protective gear and miscellaneous contaminated debris in plastic bags. The plastic bags were staged on visqueen to remain on site over the weekend.

Upon inspection of the sediments at the waterline, the TAT observed that 20 to 30 square yards of sediments contaminated with material remained, and that black material continued to enter the water from these sediments. The TAT removed the remaining oil from the water surface using sorbent pads. The pads and personal protective clothing were subsequently placed in plastic bags and staged with CMC materials.

The TAT collected a sample from the bermed pool of material atop the bank at 1900 hours. CMC personnel completed decontamination and exited the site at approximately 1930 hours. The TAT, accompanied by OSC Simon, exited the spill site at 1945 hours.

On Monday, March 26, 1990, the TAT samples were transported to Suburban Laboratories in Hillside, Illinois and analyzed for PCBs, flash point, and EP toxicity metals under TAT Analytical Services TDD# 5-9003-L12. On the same day TAT members Potje and Lisa Kamuf returned to the spill site to determine if tar seepage from the bank was continuing, and to perform a Spill Prevention, Control and Countermeasures (SPCC) inspection at the site (Attachment A).

The TAT observed that the seep had continued to flow down the bank, within 15 feet of the water line, and had reached a length of 10 to 15 feet. TAT photographed the seep and the ten tanks on site (Attachment B), and measured the tanks. Estimated tank volumes,

derived from field measurements, are as follows: one 2,000-gallon tank, three 4,000 gallon tanks, one 4,500-gallon railroad tank car, two 5,500 gallon railroad tank car, one 6,000-gallon railroad tanker, and two 10,000 gallon railroad tank cars. It is one of the 10,000-gallon tankers that spilled on or before March 21, 1990.

The volume and type of materials contained in the tanks could not be determined, as none of the tanks were clearly labelled. TAT photographed the markings on the tanks. Of interest are the markings on the spilled tank, which read, in part "L.S. & B.C. 1403," and "LASALLE & UREAU'" indicating the tank may have at one time belonged to the LaSalle and Bureau County Railroad. The TAT observed nine drums located among the tanks, eight of which were on their sides, with black material leaking from bungs and pinholes. The ninth drum was crushed, and had leaked approximately one gallon of black material.

As requested by OSC Simon, the TAT also collected three samples for analysis at the U.S. Coast Guard Central (USCG) Oil Identification Laboratory in Groton, Connecticut. The first sample was collected from the pooled material atop the bank. The second sample was collected from the seep, and the third sample was collected from the stained sediments at the canal waterline.

The TAT researched the tax numbers of the property on which the tanks stood and determined that the tanks are situated on untaxed land.

Results of the analyses, obtained on April 3, 1990, indicated the PCB concentration of the sample was below method detection limits, the flash point was greater than 212 degrees Fahrenheit, and the material was not hazardous based on the Resource Conservation and Recovery Act (RCRA) characteristic of EP toxicity.

Results of the USCG oil analyses indicate that the spilled material is a petroleum-based oil. Also, the USCG concluded that the material spilled directly next to the tank, the material seeping from the bank, and the material that entered the I&M canal can all reasonably be construed to be the same material.

Should you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

Anne B. Potje,
Environmental Scientist

FOR William R. Doyle
Technical Assistance Team
Leader, Region V

ABP:dn
Attachments
cc: V. Simon, OSC
P. Schaefer

A. SPCC INSPECTION FIELD SHEET

(To be completed if SPCC Regulation is applicable to Facility - see 40CFR Part 112.1.)

SEE INSTRUCTIONS ON REVERSE

1a. NAME OF FACILITY: unk. - EPA site name = LaSalle Oil Spill - I&M canal

1b. TYPE OF FACILITY: Bulk Storage

1c. FACILITY LOCATION: no street address - at the intersection of Chartres & Riv. Sts., LaSalle, IL 61301

2a. NAME OF OWNER AND/OR OPERATOR RESPONSIBLE FOR FACILITY: Owner = Ill. Dept. of Conservation / Operator: Len Trovero Construction

2b. TELEPHONE NUMBER And Code: ( ) see comments

2c. MAILING ADDRESS: see comments

3. TYPES OF OIL STORED AND CAPACITY OF ABOVEGROUND AND BURIED STORAGE.

material stored is reportedly road oil

# of tanks	Cap'y
2	10,000 gal
1	6,000
2	5,500
1	4,500
3	4,000
1	2,000

4. IS A CERTIFIED SPCC PLAN AVAILABLE FOR INSPECTION? ☐ YES ☒ NO

5. DATE OF INSPECTION: 3-26-90

6. NAME AND REGISTRATION NUMBER OF CERTIFYING ENGINEER ☒ NOT AVAILABLE

NO SPCC PLAN

7. DATE SPCC PLAN WAS CERTIFIED ☒ NOT AVAILABLE

8. IS SPCC PLAN FULLY IMPLEMENTED? (Are the items called for in the Plan in the interest of spill prevention actually installed - if observable?). ☒ NOT APPLICABLE

9. NAME OF WATER BODY THAT POTENTIAL SPILL COULD ENTER OR IF UNNAMED TRIBUTARY, THEN FIRST NAMED WATERBODY DOWNSTREAM (if known)

I&M canal into Illinois river

10. COMMENTS (Include comments by owner/operator - write on back or attach extra sheets if needed)

* No secondary containment
* tanks unlabeled
* improper tank supports
* No SPCC plan exists
* no contingency plan
* no sorbents onsite
* NAME OF FACILITY UNKNOWN
* OWNERSHIP OF TANKS IS IN QUESTION

Owner:
Illinois Department of Conservation
524 S. 2nd St.
Springfield, IL 62701
(217) 782-6302

Operator
Len Trovero Construction
1 LaSalle Road
LaSalle, IL 61301
(815) 223-5220

11a. SPCC NO.

11b. CASE NO.

11c. NPDES NO. ☐ NOT AVAILABLE

12a. INSPECTOR (sign) Anne B Potje

12b. DATE: 4-6-90

12c. INSPECTOR (print) Anne B Potje

EPA Form 7500-S3 (9-80)

C. DETAILED SPCC DOCUMENTATION

SEE INSTRUCTIONS ON PAGE 1

FACILITY: unk. - EPA site name = LaSalle Oil Spill

DATE OF INSPECTION: 3-26-90

1. FACILITY DESCRIPTION

1a. TYPE OF BUSINESS/OPERATION: bulk storage facility

1b. FACILITY OIL STORAGE

# of tanks	capacity (gal.)	contents
2	10,000	reportedly road oil; one of these spilled on or before 3-21-90, now contains only residue
1	6,000	unknown
2	5,500	unknown
1	4,500	unknown
3	4,000	suspected empty - unknown
1	2,000	unknown

1c. PREVENTION MEASURES PROVIDED

No diking around any of the tanks. No sorbents on site. No contingency plans. No drainage collection system. Unrestricted access.

1d. APPEARANCE OF FACILITY (Housekeeping)

Tanks are rusty and apparently abandoned, since no past or present landowner claims ownership of tanks. Several tanks are not upright. Some tanks rest directly on ground. Other tanks rest on timber supports which do not appear to meet 29 CFR 1910.106(b)(5) requirements. Tank spacing does not meet 29 CFR 1910.106(b)(2)(ii) spacing requirements.

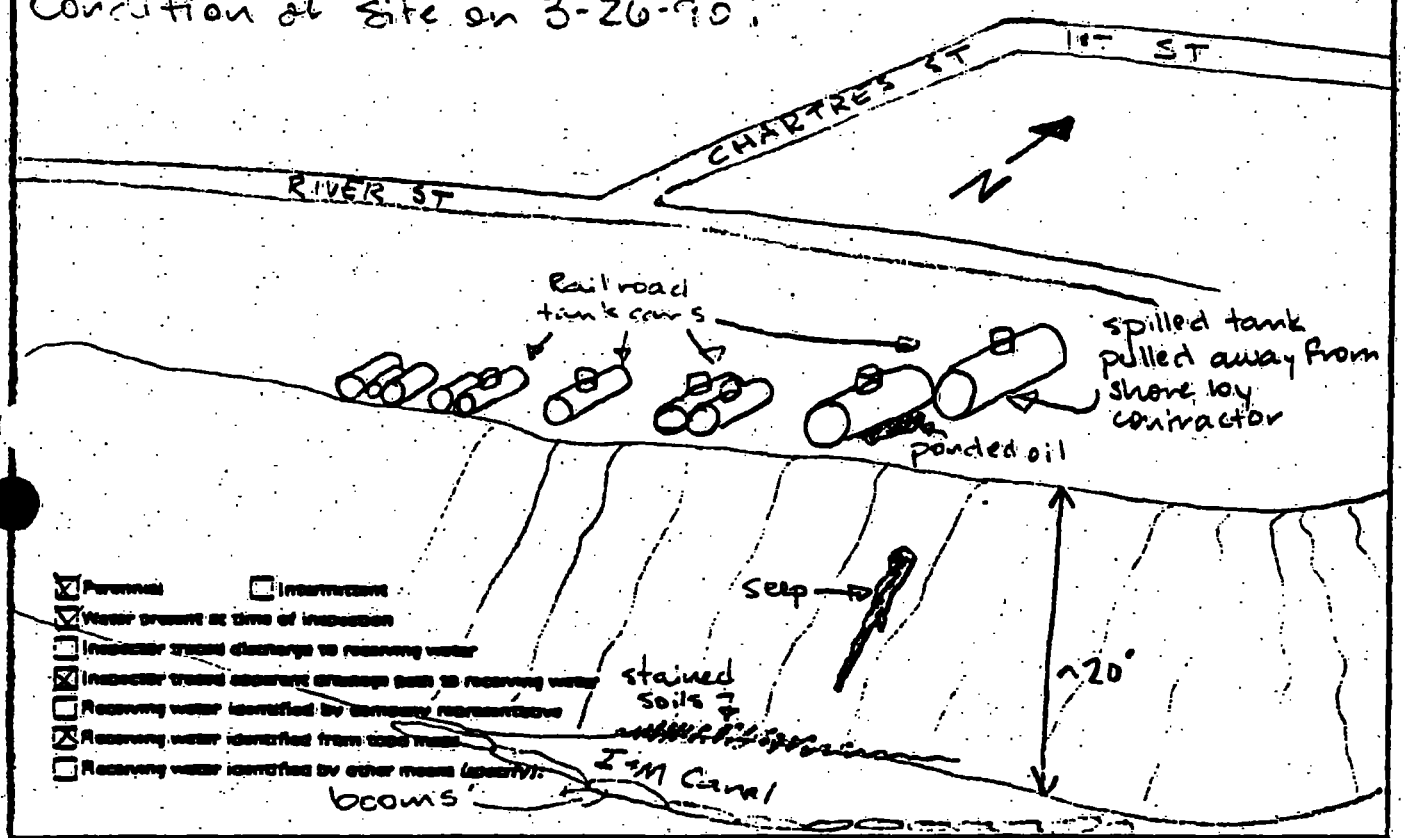
1e. PAST SPILL HISTORY

A spill occured on or before 3-21-90. On 3-21-90, two fishermen reported spilled oil to the Ill. Dept. of Conservation. The State requested a USEPA response. As of this writing, spill cleanup is ongoing, after a ~9300 gal. railroad car reportedly containing 1500 gallons of road oil spilled into the I&M Canal.

2. RECEIVING WATER (Indicate if spill occurs)

2a. NAME AND/OR DESCRIPTION

Condition at site on 3-26-90:



2b. PROBABLE FLOW PATH TO RECEIVING WATER

Oil would flow overland into I & M canal, & continue to flow westward into the Illinois River, approx 1 mile downstream.

2c. CLIMATIC INFORMATION FROM OWNER/OPERATOR

Hours of operation:

Tanks are unattended.

5. SPCC AMENDMENT RECOMMENDATIONS (Amendment Inspector only)

Any materials remaining in these tanks pose a threat of a spill. Oils could flow unrestricted into I & M canal, and subsequently into the Illinois River. Ownership of the tanks should be established. Since the tanks and materials within serves no purpose, owner should empty and remove tanks.

Reference Number 4

STATE OF ILLINOIS
DEPARTMENT OF CONSERVATION
DIVISION OF SPECIAL SERVICES
CONVERSATION MEMORANDUM

Site Name: I & M Canal/LaSalle Area

Call To: File

From: Tim Werner/inspection with Price, Kile, Thomas & Trevi

File: ADM/Tabor Grain Lease 5284 — Len Trovero Oil Spill

Type of Conversation: - Verbal X Telephone _____

Date: 5/02/90 Time: 11:30 AM/PM

Additional Information if Necessary

Address: _____

Telephone: _____

Tickle: _____

Subject: Inspection Notes Regarding Oil Spill Clean-up Area.

DETAILS OF CONVERSATION

1. Werner, Price, Kile, Thomas and Trevi met at the site and verified the location of the unauthorized tanks, assumed the ownership of the land to be DOC and establish the need for further action. Technical Services may need to have this area surveyed to definitely determine whose land the tanks are located on.

2. Thomas and Trevi described the conditions and actions of various parties during the initial clean-up operations as indicated in the attached field reports.

3. Everyone agreed that there needs to be further clean-up and immediate removal of the unauthorized tanks is required.

4. Price suggested that a written certified letter sent to Len Trovero Construction Company would be more effective than a verbal notice given at his LaSalle Construction Company Office.

5. All staff present drove past Len Troveros Construction Company for information and location reference.

6. Upon viewing the road oil damaged areas, it was evident that ADM/Tabor had recently been bulk storing salt and/or other agricultural chemicals on this leased area and their property immediately north of the tanks which were leaking.

7. Werner agreed to draft a letter of notice to Trovero to demand that they remove the unauthorized tanks and to complete the required clean up. Price will review the draft prior to signing by Jay Johnson and send out for clean up compliance.

8. Price has been in contact with Dave Smith who is the attorney for Archer Daniel Midland Corp. as the tanks are located on their leased property.

9. Jim Thomas said he felt that Len Trovero Construction Company had signed a clean-up contract with U.S. E.P.A. representative, Vernetta Simon prior to undertaking the initial clean up. Scott Trevi will attempt to get a copy of the contract from U.S. E.P.A.

TTW/sks
cc:

Signed: Jim Werner

Reference Number 5

LAW OFFICES
HERBOLSHEIMER, LANNON, HENSON, DUNCAN AND REAGAN, P.C.

GEORGE L. HERBOLSHEIMER
R. JAMES LANNON, III.
T. DONALD HENSON
JOHN S. DUNCAN III
MICHAEL T. REAGAN
DOUGLAS A. GIFT
ROBERT M. HANSEN
GARY R. EITEN
KAREN C. EITEN
JONATHAN F. BRANDT

STATE BANK BUILDING
P.O. BOX 639
LA SALLE, ILLINOIS 61301
TELEPHONE 815-223-0111

OTTAWA OFFICE
200 FIRST FEDERAL SAVINGS BUILDING
OTTAWA, ILLINOIS 61350
815-434-1400

FAX 815-223-5829

May 19, 1990

Mr. Jay Johnson, Director
Office of Land Management and
Enforcement
Illinois Department of Conservation
Lincoln Tower Plaza
524 South Second Street
Springfield, IL 62701-1787

Dear Mr. Johnson:

Re: Illinois-Michigan Canal
Lease #5284
ADM/Tabor Grain

Our office represents Len Trovero, and in that capacity we are in receipt of your letter directed to him dated May 4, 1990. Please be advised that Len Trovero, Len Trovero Construction and Central Illinois Contracting Corporation are not the owners of the railroad car tanks and 55-gallon drums of road oil located on the State of Illinois, Department of Conservation land leased to ADM/Tabor Grain. Our investigation leads us to believe that those tanks were owned by J. P. Hollerich Construction Company. Mr. Hollerich died in January of 1963. Sometime thereafter, the corporation was dissolved and liquidated and the assets were sold. It appears that these tanks were never disposed of when the corporation was liquidated and have sat in their present location since that time.

Evidently, because my client operated an asphalt plant on adjacent land about 15 years ago, someone presumed that the tanks and drums were a part of that operation. That, however, was not the case. When the spill occurred, someone in the EPA, either state or federal, was informed that Len Trovero was the owner of the tanks. That prompted a call to Central Illinois Contracting Corporation. My client was out of town and instructed his people to assist in cleaning up the problem and worry about ownership at a later date. Unfortunately, that cooperative approach was taken by some as an admission of ownership.

Please be assured, however, that unless someone has other contrary evidence, it appears that the ownership of the tanks still remains with J. P. Hollerich Construction Company, a defunct corporation.

If you wish to discuss this further, please do not hesitate to contact me.

Very truly yours,

John S. Duncan

JSD/clr
cc: Mr. Leonard J. Trovero

bcc: Dave Carr
Greg Kile
Mark McConnaughhay
Lt. Jim Thomas
CPO Scott Trevi
Tim Werner
Jack Price
Jerry Beverlin
Larry Closson
Ron Chezem

Trovero was book

Duncan — was attorney

Reference Number 6

WESTON MANAGERS DESIGNERS/CONSULTANTS SM
River Center, 111 North Canal Street, 8th Floor, Suite 855,
Chicago, IL 60606 • (312) 993-1067 • FAX (312) 993-0226

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Mr. Duane Heaton
Deputy Project Officer
Emergency Support Section, 5HS-12
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, IL 60604

June 5, 1990

TAT-05-G2-01880

Re: I&M Oil Spill, LaSalle, Illinois
TDD# 5-9003-37

Dear Mr. Heaton:

On March 29, 1990, the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to monitor a removal action along the Illinois & Michigan (I&M) Canal in LaSalle, Illinois. The action was taken to mitigate the effects of an oil spill in the canal. The following letter report summarizes the TAT activities and removal action.

On March 21, 1990, fishermen reported an oil spill on the I&M Canal at LaSalle, Illinois to the Illinois Department of Conservation (Figure 1). The site location is south of the intersection of River and Chartres Street. The I&M Canal is listed as a historic shipping canal. An estimated 1,500 gallons of oil leaked from a hole in a railroad tank car, located with nine other tanks on the northern bank of the canal (Figure 2). A blue heron and several fish were killed during the oil release.

U.S. EPA On Scene Coordinator (OSC) Verneta Simon responded along with the TAT, Illinois Department of Conservation and La Salle City officials. Initially, the Potentially Responsible Party (PRP), Len Trovero of Trovero Construction, conducted emergency site stabilization activities. Mr. Trovero disclaimed ownership of the tank, but initiated the response. The PRP utilized CMC of Portage, Indiana, as the primary cleanup contractor. CMC initiated the stabilization of the oil pit, excavation of oil contaminated soil, temporary stabilization of a seep, and containment and removal of an oil sheen in the canal. CMC also sealed the leaking tank with a metal plate. During this initial response Mr. Trovero transported two dump truck loads of oil-contaminated soil off site on March 23, 1990.

The TAT conducted a Spill Protection Control and Countermeasure (SPCC) inspection of the facility on March 26, 1990 as requested by the OSC. The volume and type of materials contained in the tanks could not be determined, as none of the tanks were clearly labelled. Three samples were collected by TAT during the SPCC inspection, from the oil pit, from the seep and from the sediment along the shoreline. All samples were shipped to U.S. Coast Guard Central Oil Identification Laboratory (COIL) Avery Point, Groton, CT. COIL results indicated the material was a petroleum-based oil, and material from all three locations were of the same source.

Detailed information concerning the PRP removal is presented in the TAT report under TDD#05-9003-31.

When Mr. Trovero was informed on March 27, 1990 that a hazardous waste generator identification number had to be obtained he decided to discontinue the removal effort and turn the responsibility over to the U.S. EPA.

The U.S. EPA took over the removal on March 28, 1990. The following remained from the PRP removal: a sheen on the canal, contained within the boom left by CMC; a seep continuing to drain from the bank; and, solidified material along the bank.

District 9 of the U.S. Coast Guard granted the U.S. EPA $15,000 on March 27, 1990, for the cleanup/stabilization of oil onsite. The U.S. EPA contracted O.H. Materials (OHM) as the primary contractor to complete the removal.

U.S. EPA, TAT, and O.H. Materials mobilized to the site on March 28, 1990. A visible oil sheen was noted on the surface water contained within the boom left intact from the PRP action. The seep was observed to have leached further down the bank. OHM removed the sheen with sorbent pads. A trackhoe was mobilized to removed trees and excavate soil. OHM collected a representative waste sample and sent it to Peoria Disposal in Peoria, IL for disposal analysis and acceptance.

On March 29, 1990, the boom was removed from the canal. Excavation continued on the slope and seep area of the bank. Mr. Trovero returned the two dump truck loads of oil-contaminated soil to the site, and the U.S. EPA OSC accepted responsibility for disposal. Two roll off boxes and an additional dump truck of material were excavated by OHM. Excavation continued and waste material was staged on visqueen awaiting the arrival of three dump trucks on March 30, 1990. During excavation into the bank around the seep area, large pieces of asphalt were observed, possibly placed there

for bank stabilization. The land surrounding the tanks appeared to have been a landfill. The surface soil was coated with a layer of road salt, which appeared to be residue from adjacent salt storage facilities. TAT collected a grab sample from a pile of excavated material. The sample was sent to Grace Laboratories in Berkley, Illinois for pH, flash point, cyanide, sulfide, phenols and F-listed solvent analysis under TAT Analytical Services TDD# 5-9003-L19.

On March 30, 1990, three additional dump trucks of waste material were loaded. The two roll offs and four dump trucks remained onsite until disposal arrangements were completed. The seep continued to leach, and oil was observed meandering down the slope for approximately ten feet in length and approximately six to ten inches in width. The seep was excavated further and covered with a sand/soil mixture. All personnel departed from the site on March 30, 1990.

Final disposal of the material was completed on April 13, 1990. The material was transported to the Waste Management, Inc. special waste permitted facility in Elgin, Illinois.

Costs as of April 4, 1990 for U.S. EPA, TAT and OHM were $16,640.44. A $9,000 increase from District 9 of the Coast Guard was granted verbally to OSC Simon on April 12, 1990. Costs as of April 13, 1990 were $23,998.86. No formal Community Relations Plan was developed for the site.

After the removal of spilled material was complete, the tanks remained on site. Some of the tanks were reportedly empty, according to the PRP, and others contained unknown materials. In addition, several drums which apparently contained road oil were also on site. The State of Illinois, site property owner, sent a certified letter to Mr. Trovero on May 4, 1990, demanding immediate removal of the tanks and 55 gallon drums of road oil that were stored on the property.

The OSC appendices have been forwarded to OSC Simon.

Reference Number 7

Illinois Department of Conservation
life and land together

LINCOLN TOWER PLAZA • 524 SOUTH SECOND STREET • SPRINGFIELD 62701-1787
CHICAGO OFFICE • ROOM 4-300 • 100 WEST RANDOLPH 60601
MARK FRECH, DIRECTOR – KATHY SELCKE, ASSISTANT DIRECTOR

April 8, 1991

Sheila Murphy
Illinois EPA - DLPC/RPMS
2200 Churchill
Springfield, IL 62794-9276

Dear Ms. Murphy:

We have reviewed our database and files for records of significant natural features in the area depicted on the enclosed map. Several such features are known along this reach of the Illinois River.

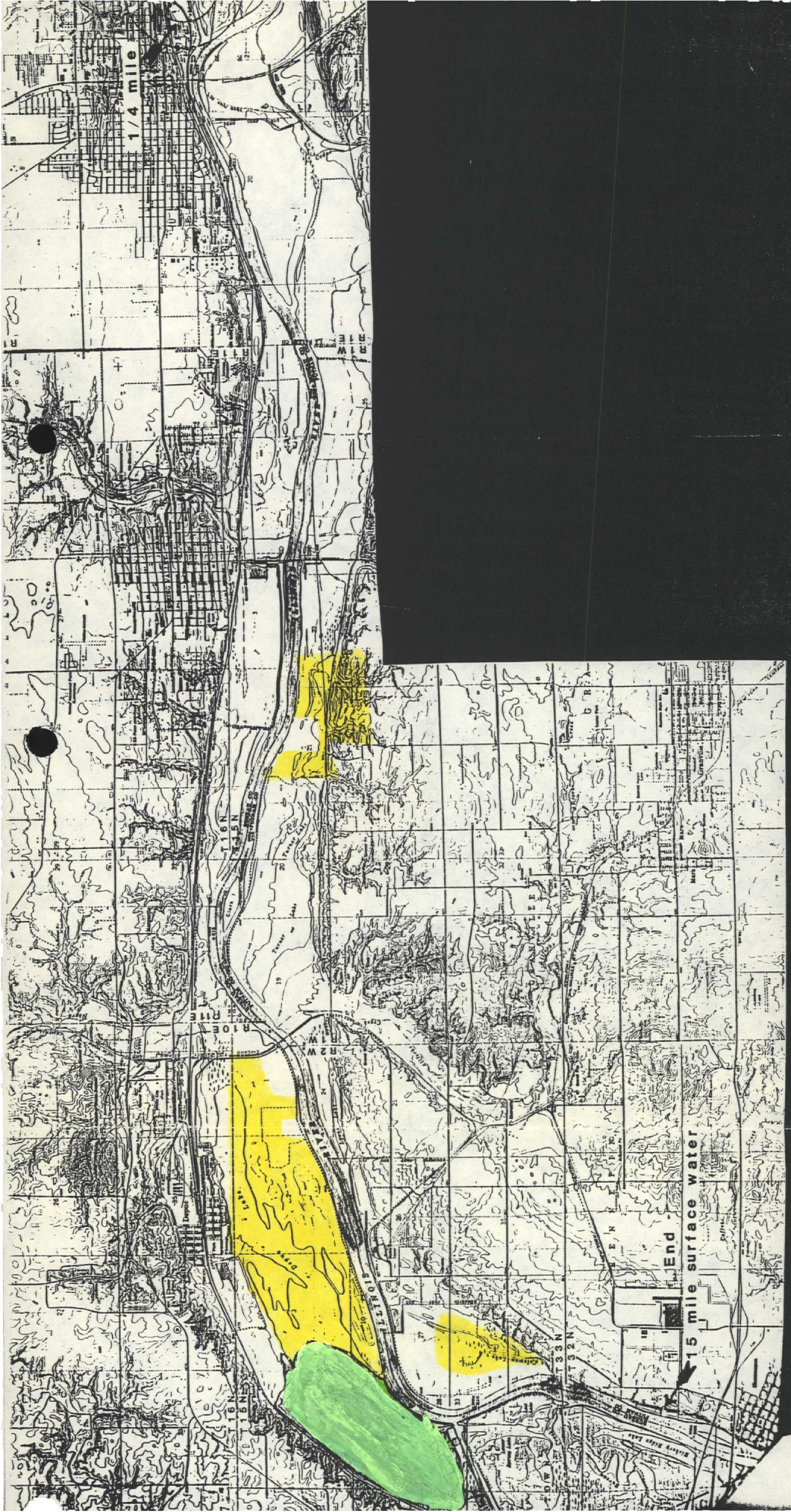
The state-endangered Great Egret, Casmerodius albus, nests in the Spring Lake area (highlighted in green on the map). Spring Lake and the rookery are located between approximately Illinois River Miles 210 and 212. Spring Lake has been designated as a natural area because of the presence of this endangered bird.

A population of the state and federal-threatened Decurrent False Aster, Boltonia decurrens, occurs on the banks of the Illinois River at River Mile 207.7. This is just downstream of the 15-mile study area you had indicated on the project map. There is no designated critical habitat for federal endangered or threatened species in the area.

Several areas that are managed for fish and wildlife, primarily waterfowl, are located along this portion of the Illinois River. State-managed areas have been highlighted in yellow on the enclosed map. Many other areas along the river are managed for wildlife by private owners or organizations.

The map you provided showed only the Illinois River itself as the surface water study area. We recommend that all backwaters (lakes, sloughs, etc.) be included in your analysis. These other aquatic areas are connected to and influenced by the river and would be affected by any factor which affects the Illinois River.

RECEIVED
APR 12 1991
IEPA/DLPC


1/4 mile
End
1.5 mile surface water

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Reference Number 8

La Salle
COUNTY

LPC
DIVISION

La Salle / I & M Canal
I. D. or FILE NO.

Re: Tanks / property

Conversation with: Jim Werner, DOC

( ) I Called Party ( ) Party Called Me DATE 6/3/91 TIME 10:55

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:	What Other Party Said:
I'm interested in the historical dealings with the tanks along the I & M Canal.	The tanks were there before IDOC had the property. The State has owned the property since the early 1800's because of the I & M Canal. In the ~1830's the Federal Government originally owned this property. The federal government said they would turn this property over to the State if they would create the I & M Canal. The I & M Commission was established around 1827-30 and lasted to ~1920. At this time the commission dissolved, but before doing so, they turned the property over to Public

use reverse side if necessary

Sheila Murphy
Signature

Title

IL 532-0727
EPA 129 (Rev. 1/81)

Reference Number

What I Said:

What Other Party Said:

works & buildings which is now DOC Division of H2O Resources (Div. of H2O Ways). DOT had this until 1973. At this time, DOC took possession of the property. When DOC took over, Tabor Grain of ADM was already leasing the property.

There is a clause in the lease that states if something happens to the property, the lessee is responsible. So, technically we could go to Tabor Grain and say clean this up. However, Gabor Grain

Comments

Referred to: Unit

Copies to: ( ) File

Recommendations

Signature

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

La Salle
COUNTY

LPC
DIVISION

La Salle / D & M Canal I. D. or FILE NO.

Re: Cont.

Conversation with:

( ) I Called Party ( ) Party Called Me DATE / / TIME :

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:

What Other Party Said:

did not realize the property leased included the land the tanks were on. Why Holler's put tanks there + what made him think he could do it, I don't know. It appears that he was trespassing.

Last year when there was a spill Trovero the father was away, but Trovero, the son, was around + took charge. He sent in people to clean up the mess. Trovero's guys admitted they were Trovero's tanks. They even had maps of the tanks with list of contents and showed to Doc police and Vernita Sims

use reverse side if necessary

Signature

Title

IL 532-0727
EPA 129 (Rev. 1/81)

What I Said:

What Other Party Said:

Trovero-the father- came back and said "no" we do not claim these tanks. Then we got a letter from Trovero's lawyer saying the tanks were there from when Hollerich owned the property but are not Trovero's. In 1975 Trovero had property adjacent to this. He had an asphalt co. there. It seems as if John Thom may have Subleased some of the property leased to DOC, to Trovero. If so, John Thom had no right to do so. From the Canal to 90 feet out is state property.

Comments

Referred to: Unit

Copies to: ( ) File

Recommendations

Signature Sheila Murphy

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Reference Number 9

La Salle — COUNTY — LPC — DIVISION

La Salle / I & M Canal — I. D. or FILE NO.

Re: Owner

Conversation with: Vernita Simon; USEPA

(✓) I Called Party ( ) Party Called Me DATE 6/3/91 TIME 9:35

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:

I read in a conversation record that J. P. Hollerich is the owner of the tanks, but other sources indicate that the owner is Lew Trovero.

As far as being able to say as a fact who the owner is...

What Other Party Said:

Trovero was Hollerich's accountant. Hollerich was killed in a plane crash and Trovero bought assets from Hollerich's estate.

If you could get the Bill of Sales that Trovero bought the prop. he should have known the tanks were there & I know he did because either him, his brother or a senior

use reverse side if necessary

Sheila Murphy
Signature

Title

IL 532-0729
EPA 128 (Rev. 1/81)

What ~~I said~~ Other party said:

employer had a site map. Also, Trovero ... some of whatever is in the tanks [petrol based oil] out and took it over to his own facility to be used. When we were dealing w/ the tanks, Trovero was very adament that there were NO PCB's, so he obviously knew about the tanks.

The city was planning to develop that area as a marina.

We didn't pop the tanks. Will get a copy of the title search sent off to you.

What ~~Other party said~~ I said:

When you did the clean-up, did you discharge the contents of the tanks?

OK. Thanks!

Comments

Referred to: _____ Unit _____

Copies to: ( ) File _____

Recommendations _____

Signature Sheila Murphy

White Copy – Ill. Dept Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. ____ in. Depth ____ ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled X. Finished in Drift X. In Rock ____.
   Tubular X. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Puddled clay	0	68

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 120
   Cess Pool none Sewer (non Cast iron) none
   Privy none Sewer (Cast iron) 20
   Septic Tank 100 Barnyard none
   Leaching Pit none Manure Pile none
3. Is water from this well to be used for human consumption?
   Yes x No ____
4. Date well completed July 17, 1968
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Goulds Type submersible
   Capacity ½ Hp gpm. Depth of setting 42 ft.
6. Well Top Sealed? Yes x No ____
7. Pitless Adaptor Installed? Yes X No ____
8. Well Disinfected? Yes X No ____
   Water Sample Submitted? Yes ____ No X

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals p... No. N°4076 Year 1968
11. Property owner John [illegible]wski Well No. 955
    Address 712 13 th St. [illegible], Peru, Illinois
    Driller S. Dean Albr[illegible] License No. 92-150
12. Water from Sand & gra[vel] (Formation) 13. County LaSalle
    at depth 52-75 75 ft. Sec. 32
14. Screen: Diam. 5 in. Twp. 34N
    Length 4 ft. Slot ____ Rng. 12
    Elev. ____

SHOW LOCATION IN SECTION PLAT

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	galv	0	68

16. Size Hole below casing: 5 in.
17. Static level 18 ft. below casing top which is 1½ ft. above ground level. Pumping level 20 ft. when pumping at 5 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Fill	5	5
Yellow clay	5	10
Sand & gravel	25	35
Yellow clay, sand	3	38
Rock	1	39
Gray clay	13	52
Sand & gravel	23	75
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED [signature] DATE Sept. 28, 1968

Reference Number 10

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored X. Hole Diam. 24 in. Depth 44 ft.
   Curb material Cement Buried Slab: Yes X No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

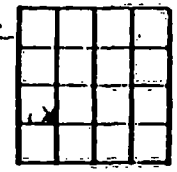
(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 40 Ft. Seepage Tile Field 100
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 100 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 9-2-28
5. Permanent Pump Installed? Yes ____ Date ____ No X
   Manufacturer ____ Type ____ Location ____
   Capacity ____ gpm. Depth of Setting ____ Ft.
6. Well Top Sealed? Yes ____ No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer BAKER Model Number SPLIT PLOWN
   How attached to casing? CLAMPED
8. Well Disinfected? Yes ____ No ____
9. Pump and Equipment Disinfected? Yes ____ No ____
10. Pressure Tank Size ____ gal. Type ____
    Location ____
11. Water Sample Submitted? Yes ____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner ALBERT SCHALLE Well No. 2
    Address PERU
    Driller ROBERT SCHALLE License No. 071-001425
11. Permit No. 78826 Date 8-31-28
12. Water from GRAVEL (Formation) 13. County LA SALLE
    at depth 35 to 38 ft.
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
    Sec. 18
    Twp. 33N
    Rge. 1E
    Elev. ____



SHOW LOCATION IN SECTION PLAT SE NW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
24	Concrete	12	44

16. Size Hole below casing: ____ in.
17. Static level 18 ft. below casing top which is 1 ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
TOP SOIL	1	1
YELLOW CLAY	14	15
SOFT BLUE SHALE	20	35
GRAVEL	3	38
RED SHALE	6	44

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Robert Schalle DATE 11-12-28

IDPH 4.065
1/74 – KNB-1

White Cop:
Ill. Dept. Public Health
Yellow Ct. - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 1 STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven X. Drive Pipe Diam. 5 in. Depth 82 ft.
   c. Drilled____. Finished in Drift 95. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

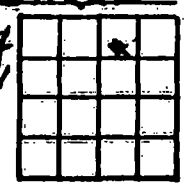
(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field____
   Cess Pool____ Sewer (non Cast Iron)____
   Privy____ Sewer (Cast Iron)____
   Septic Tank 65 Barnyard____
   Leaching Pit____ Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes X No____
4. Date well completed 10-15-68
5. Permanent Pump Installed? Yes____ No X
   Manufacturer____ Type____
   Capacity____gpm. Depth of setting____ft.
6. Well Top Sealed? Yes____ No____
7. Pitless Adaptor Installed? Yes____ No____
8. Well Disinfected? Yes____ No____
9. Water Sample Submitted? Yes____ No X

REMARKS: 5" DRIVE PIPE WAS DRIVEN FROM SURFACE TO 82' THE SMALL ANNULAR SPACE WAS FILLED WITH BENONITE & CUTTINGS

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. NE5031 Year 1968
11. Property owner Mrs CARL SPLITTSTOESSER Well No.____
    Address OGLESBY ILL
    Driller CHAS E WOODAKEE License No. 92-409
12. Water from SAND & GRAVEL Formation at depth 85 to 95 ft.
13. County LA SALLE
    Sec. 26
    Twp. 33-N
    Rng. 1-E
    Elev.____



SHOW LOCATION IN SECTION PLAT
SE NW NE

14. Screen: Diam.____in.
    Length:____ft. Slot____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	T&C. BLK 14#	0	82
4	PLE " 11#	75	95
	PERFORATED		

16. Size Hole below casing:____in.
17. Static level 55 ft. below casing top which is 1 ft. above ground level. Pumping level 60 ft. when pumping at 10 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
CLAY	25	25
SAND & GRAVEL	70	95
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED W. L. Hamton DATE 11-5-68

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 50 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock Shale
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings		

2. Distance to Nearest:
   Building 22 Ft. — Seepage Tile Field ____
   Cess Pool ____ — Sewer (non Cast iron) ____
   Privy ____ — Sewer (Cast iron) ____
   Septic Tank 75 — Barnyard ____
   Leaching Pit ____ — Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 8-13-80
5. Permanent Pump Installed? Yes X Date 9-13-80 No ____
   Manufacturer Sta-Rite Type Subm. Location Well
   Capacity 15 gpm. Depth of Setting 38 Ft.
6. Well Top Sealed? Yes X No ____ Type Martinson
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer Martinson Model Number SP10
   How attached to casing? bolted
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 42 gal. Type non airc
    Location basement
11. Water Sample Submitted? Yes ____ No X

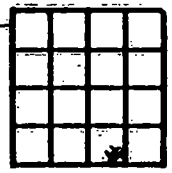
REMARKS:

OWNER INSTRUCTED TO TAKE SAMPLE

IDPH 4.065
1/74 — KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner B. J. Strozewski Well No. ____
    Address 813 Creve Coeur, La Salle, Il 61301
    Driller Phil Knierim License No. 102 84
11. Permit No. 94659 Date 7-2-80
12. Water from Shale (Formation)
    at depth 45 to 50 ft.
13. County La Salle
    Sec. 22
    Twp. 33N
    Rge. 1E
    Elev. ____
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____



SHOW LOCATION IN SECTION PLAT
SE SW SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Steel	0	43

16. Size Hole below casing: 5 in.
17. Static level 23 ft. below casing top which is 1 ft. above ground level. Pumping level 38 ft. when pumping at 20 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Clay	42	43
Rock	2	45
Shale	5	50

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Phil Knierim DATE 9-17-80
le

White Copy – Ill. Dept. of Pl. Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUE D AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ___. Bored X. Hole Diam. 32 in. Depth 48 ft.
   Curb material concrete Buried Slab: Yes X No ___
   b. Driven ___. Drive Pipe Diam. ___ in. Depth ___ ft.
   c. Drilled ___. Finished in Drift ___. In Rock ___.
   Tubular ___. Gravel Packed ___.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

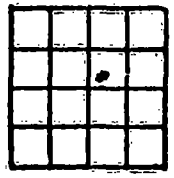
Building	– Ft.	Seepage Tile Field	–
Cess Pool	–	Sewer (non Cast Iron)	–
Privy	–	Sewer (Cast Iron)	–
Septic Tank	–	Barnyard	–
Leaching Pit	–	Manure Pile	–

3. Well furnishes water for human consumption? Yes X No ___
4. Date well completed 5/2/78
5. Permanent Pump Installed? Yes ___ Date ___ No X
   Manufacturer ___ Type ___ Location ___
   Capacity ___ gpm. Depth of Setting ___ Ft.
6. Well Top Sealed? Yes X No ___ Type vented cap
7. Pitless Adapter Installed? Yes X No ___
   Manufacturer Baker Model Number 5PLT6P12WM
   How attached to casing? clamp-on
8. Well Disinfected? Yes X No ___
9. Pump and Equipment Disinfected? Yes ___ No ___
10. Pressure Tank Size ___ gal. Type ___
    Location ___
11. Water Sample Submitted? Yes ___ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Jack Ator Well No. ___
    Address 2705 St. Vincent LaSalle, Ill.
    Driller Steven Sauder License No. 92-622
11. Permit No. 73795 Date 5/2/78
12. Water from yellow gravel (Formation) 13. County LaSalle
    at depth 11 to 12 ft. Sec. 3
14. Screen: Diam. – in. Twp. 33N
    Length: ___ ft. Slot ___ Rge. 1E
    Elev. ___



SHOW LOCATION IN SECTION PLAT
85'N, 300'E, SW/4 NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	PVC	1	10
24	concrete	10	48

16. Size Hole below casing: --- in.
17. Static level ___ ft. below casing top which is ___ ft. above ground level. Pumping level ___ ft. when pumping at ___ gpm for ___ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
clay- yellow	11	11
gravel- yellow	1	12
clay- gray, green	13	25
shale- red	10	35
shale- gray, white, powdery	13	48

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Steven Sauder DATE 5/5/78

IDPH 4.065
1/74 – KNB-1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored X. Hole Diam. 24 in. Depth 31 ft.
   Curb material Concrete. Buried Slab: Yes X No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

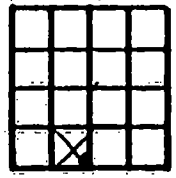
2. Distance to Nearest:
   Building 20 Ft. — Seepage Tile Field 95
   Cess Pool ____ — Sewer (non Cast iron) ____
   Privy ____ — Sewer (Cast iron) ____
   Septic Tank 84 — Barnyard ____
   Leaching Pit ____ — Manure Pile ____
3. Well furnishes water for human consumption? Yes X No ____
4. Date well completed 11-2-86
5. Permanent Pump Installed? Yes X Date 11-11-86 No ____
   Manufacturer FOIT Type SUB Location WELL
   Capacity 10 gpm. Depth of Setting 28 Ft.
6. Well Top Sealed? Yes ____ No ____ Type ____
7. Pitless Adapter Installed? Yes X No ____
   Manufacturer BUSSA Model Number BRASS
   How attached to casing? INNER GASKET
8. Well Disinfected? Yes X No ____
9. Pump and Equipment Disinfected? Yes X No ____
10. Pressure Tank Size 42 gal. Type CHALLENGER
    Location BASE
11. Water Sample Submitted? Yes X No ____

REMARKS: County #23395

IDPH 4.065
1/74 PRINT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner STANLEY MROWICKI Well No. 2
    Address 8007 PULASKI PARK
    Driller ROBERT SCHERF License No. 092-003425
11. Permit No. 121220 Date 10-30-86
12. Water from GRAVEL (Formation) 13. County ~~[illegible]~~ La Salle
    at depth 15 to 20 ft.
14. Screen: Diam. ____ in.
    Length: ____ ft. Slot ____
    Sec. 9
    Twp. 33N
    Rge. 1E
    Elev. ____



SHOW LOCATION IN SECTION PLAT
SE SW

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
24	Concrete	10	31

16. Size Hole below casing: ____ in.
17. Static level 4 ft. below casing top which is 1 ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
TOP SOIL	1	1
YELLOW CLAY	14	15
GRAVEL	5	20
SHALE	11	31

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 1-5-86

White Copy — Ill. Dept. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL /WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 136 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled x. Finished in Drift ____. In Rock x.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings		

2. Distance to Nearest:
   Building 50 Ft. Seepage Tile Field ____
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 75 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes x No ____
4. Date well completed August 30, 1973
5. Permanent Pump Installed? Yes x No ____
   Manufacturer Red Jacket Type Submersible
   Capacity 9 gpm. Depth of setting 105 ft.
6. Well Top Sealed? Yes x No ____
7. Pitless Adaptor Installed? Yes x No ____
8. Well Disinfected? Yes x No ____
9. Water Sample Submitted? Yes ____ No x

REMARKS: Owner instructed to take sample.

RECEIVED
APR 19 1991
IEPA/DLPC

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Richard Cook Well No. ____
    Address R.R. #1 Oglesby, Illinois
    Driller K & K Well Drilling License No. 102 27
11. Permit No. 25005 Date August 22, 1973
12. Water from Limestone (Formation) 13. County LaSalle
    at depth ____ to ____ ft. Sec. 34 SW
14. Screen: Diam. ____ in. Twp. 33N
    Length: ____ ft. Slot ____ Rge. 1E
    Elev. ____

SHOW LOCATION IN SECTION PLAT
SW SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black 15#	0	131

16. Size Hole below casing: 5 in.
17. Static level 60 ft. below casing top which is 1 ft. above ground level. Pumping level 105 ft. when pumping at 20 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Overburden	131	131
Rock Formation	5	136

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE August 30, 1973

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILL

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift____. In Rock X.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Bentonite		
Drillcuttings	+1	575'

2. Distance to Nearest:
   Building None Ft. Seepage Tile Field None
   Cess Pool " Sewer (non Cast iron) "
   Privy " Sewer (Cast iron) "
   Septic Tank " Barnyard "
   Leaching Pit " Manure Pile "
3. Well furnishes water for human consumption? Yes Yes No____
4. Date well completed April 8-1987
5. Permanent Pump Installed? Yes____Date____No No
   Manufacturer____Type____Location____
   Capacity____gpm. Depth of Setting____Ft.
6. Well Top Sealed? Yes____No____Type compression
7. Pitless Adapter Installed? Yes____No____
   Manufacturer____Model Number____
   How attached to casing?____
8. Well Disinfected? Yes Yes No____
9. Pump and Equipment Disinfected? Yes____No____
10. Pressure Tank Size____gal. Type____
    Location____
11. Water Sample Submitted? Yes____No No

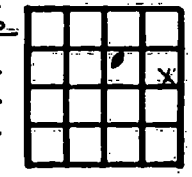
REMARKS:
26 Length 21'-4" = 554'-8" Hole @ 815'-Dry
15 Length 19'-11" 19'-11"
1 piece 1'-7" 1'-7"
6" pipe in Well 576'-2"
Well seal
Well shoe
clorine
Stpermitt

IDPH 4.065
1/74 – KNB-1

county #23959

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Charles and Terra Helmig Well No.____
    Address 1428-24th St Peru-Il
    Driller Jozas Martin License No. 92332
11. Permit No. 129946 Date March 12 1987
12. Water from Limestone Formation 13. County LaSalle
    at depth 8 to 910 ft.
14. Screen: Diam.____in.
    Length:____ft. Slot____
    Sec. 27e
    Twp. 33N
    Rge. 1E
    Elev.____



SHOW LOCATION IN SECTION PLAT
100' NL 100' WL
SE SE NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	Wt Steel 19#	+1	576'

16. Size Hole below casing: 6 in.
17. Static level 165 ft. below casing top which is 1 ft. above ground level. Pumping level 170 ft. when pumping at 30 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	5'	5'
Sand	10'	15'
Gray Clay	38'	53'
Hard Gravel and Clay	17'	70'
Shale Gray soft	15'	85'
Shale Gray Hard (coal)	85'	170'
Limestone and Red Clay	25'	195'
Limestone and Gray Shale	350'	545'
Limestone (Solid) Hard	355'	910'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED____DATE____

Limestone Turned White @ 815' began Making Water

Plotted — Cary-62

Property owner [illegible] Well No. 1

Drilled by [illegible] Co. Year 1946

Formations passed through	Thickness	Depth of Bottom
Clay [illegible]	65	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

Signed [signature] County LaSalle

Copy for Illinois State Water Survey Index:

White Copy – Ill. Dept. of Public He
Yellow Copy – Well Con... or
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 160 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled _____. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Cutting	0	120

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field _____
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank _____ Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes X No____
4. Date well completed 10-26-83
5. Permanent Pump Installed? Yes ' Date 10/31/83 No____
   Manufacturer Goulds Type Suba Location well
   Capacity 10 gpm. Depth of Setting _____ Ft.
6. Well Top Sealed? Yes X No____ Type cap
7. Pitless Adapter Installed? Yes X No____
   Manufacturer Williams Model Number _____
   How attached to casing? bolted
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size 20 gal. Type Clayton Mark
    Location basement
11. Water Sample Submitted? Yes____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Richard Muddy Well No. _____
    Address _____
    Driller _____ License No. _____
11. Permit No. 109027 Date _____
12. Water from Limestone Formation 13. County _____
    at depth 156 to 160 ft.
14. Screen: Diam. ____ in.
    Length: _____ ft. Slot _____
    Sec. 23a
    Twp. 33N
    Rge. 1E
    Elev. _____

SHOW LOCATION IN SECTION PLAT
SE SW SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	200 PVC	0	120

16. Size Hole below casing: _____ in.
17. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	1	1
Clay	24	25
Shale	80	105
Sandstone	51	156
Limestone	4	160

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Timothy Weaver DATE 10/31/83

IDPH 4.065
1/74 – KNB-1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 610, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam. 6 in. Depth 177 ft.
   c. Drilled X. Finished in Drift____. In Rock 325.
   Tubular____. Gravel Packed____.
   d. Grout:

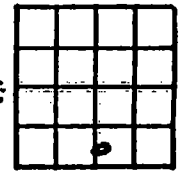
(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 100 Ft. Seepage Tile Field____
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank 150 Barnyard____
   Leaching Pit 200 Manure Pile____
3. Is water from this well to be used for human consumption?
   Yes X No____
4. Date well completed 5-5-68
5. Permanent Pump Installed? Yes____ No X
   Manufacturer____ Type____
   Capacity____gpm. Depth of setting____ft.
6. Well Top Sealed? Yes____No____
7. Pitless Adaptor Installed? Yes____No____
8. Well Disinfected? Yes____No____
9. Water Sample Submitted? Yes____No X

REMARKS: 6" PIPE WAS DRIVEN FROM SURFACE WELL IN TO BED ROCK THE SMALL ANNULAR SPACE WAS FILLED WITH BENTONITE AND CUTTINGS

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

10. Dept. Mines and Minerals permit No. 47-28 Year 1968
11. Property owner CLEM JASIEK Well No. 1
    Address TWP 33 N. R4. SALLE ILL
    Driller CHAS. E. WOOD DUFF CO License No. 92-409
12. Water from SAND STONE Formation 13. County LA SALLE
    at depth 285 to 325 ft. Sec. 2
14. Screen: Diam.____in. Twp. 33-N
    Length:____ft. Slot____ Rng. 1-E
    Elev.____



SHOW LOCATION IN SECTION PLAT
500N 2000W
SE/c NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	T.C. BLK 19#	0	177
5	P.E. " 15#	159	235
	PERFORATED		

16. Size Hole below casing: 5 in.
17. Static level 95 ft. below casing top which is 1 ft. above ground level. Pumping level 105 ft. when pumping at 20 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
CLAY	5	5
SHALE	105	110
SHALE & LIME SHELLS THIN	60	170
COAL	5	175
SAND ROCK	30	205
LIME	25	230
CLAY	5	235
LIME	50	285
SAND STONE	40	325
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED W. L. Hanton DATE 5-18-68

White – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 105 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. 5 in. Depth 40 ft.
   c. Drilled X. Finished in Drift ____. In Rock X.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

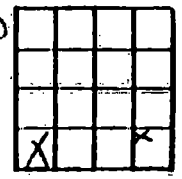
2. Distance to Nearest:
   Building 35 Ft. Seepage Tile Field 751
   Cess Pool ____ Sewer (non Cast iron) ____
   Privy ____ Sewer (Cast iron) ____
   Septic Tank 501 Barnyard ____
   Leaching Pit ____ Manure Pile ____
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed 11-26-78
5. Permanent Pump Installed? Yes ____ No X
   Manufacturer ____ Type ____
   Capacity ____ gpm. Depth of setting ____ ft.
6. Well Top Sealed? Yes X No ____
7. Pitless Adaptor Installed? Yes ____ No X
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS:

IDPH 4.005
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Tri-County Well + Pump Well No. 1
    Address Rt. 1, La Salle, Ill.
    Driller Charles Fyke License No. 23
11. Permit No. 8706 Date 11-16-78
12. Water from St. Peter Sand (Formation) 13. County La Salle
    at depth 36 to 105 ft. Sec. 11 20
14. Screen: Diam. ____ in. Twp. 33N
    Length: ____ ft. Slot ____ Rge. 1E
    Elev. ____



SHOW LOCATION IN SECTION PLAT NW SE SE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Schedule 40 PVC	0	40
	1120-NSF 3.8711		

16. Size Hole below casing: 5 in.
17. Static level 40 ft. below casing top which is +1 ft. above ground level. Pumping level 45 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	10	10
Limestone	26	36
St Peter Sand	69	105

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Fyke DATE 1-16-80

White Copy Ill. Dep. Public Health
Yellow Co. - Well Contractor
Blue Copy Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 61, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift X. In Rock____.
   Tubular X. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
puddled	0	48

2. Distance to Nearest:
   Building 50 Ft. Seepage Tile Field 75
   Cess Pool none Sewer (non Cast iron) 50
   Privy none Sewer (Cast iron) 15
   Septic Tank 50 Barnyard ~~XXXX~~ 60
   Leaching Pit none Manure Pile none
3. Is water from this well to be used for human consumption?
   Yes X No____
4. Date well completed April 22, 1969
5. Permanent Pump Installed? Yes X No____
   Manufacturer Red Jacket Type Submersible
   Capacity 1/3 gpm. Depth of setting 42 ft.
6. Well Top Sealed? Yes____No X
7. Pitless Adaptor Installed? Yes X No____
8. Well Disinfected? Yes X No____
9. Water Sample Submitted? Yes____No X

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

751/

10. Dept. Mines and Minerals permit No. ~~UP5926~~ Year 1969
11. Property owner Geo. Blakely, Jr. Well No. 1009
    Address 1902 Plain St. Peru, Illinois
    Driller S. Dean Albrecht License No. 92-350
12. Water from shale (Formation)
    at depth 47 to 110 ft.
13. County LaSalle
    Sec. 6
    Twp. 33N
    Rng. 1E
    Elev.____
14. Screen: Diam. 5 in.
    Length:____ft. Slot____

SHOW LOCATION IN SECTION PLAT

75's 60'E NW/c SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv	0	48

16. Size Hole below casing: 5 in.
17. Static level 20 ft. below casing top which is 1½ ft. above ground level. Pumping level 110 ft. when pumping at 1/3 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
yellow clay	11	11
gray clay	4	15
gravel	3	18
gray clay	5	23
dry sand	1	24
gray clay	12	36
dry sand	2	38
clay	1	39
dry gravel	1	40
clay	7	47
gray shale	18	65
soft gray shale	13	78
red shale	32	110
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED S. Dean Albrecht DATE May 23, 1969
C.H.

White Copy — Ill. Dept. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 208 ft.
      Curb material ________. Buried Slab: Yes ______ No ______
   b. Driven ______. Drive Pipe Diam. ______ in. Depth ______ ft.
   c. Drilled X. Finished in Drift ______. In Rock X.
      Tubular X. Gravel Packed ______.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
puddled	0	48

2. Distance to Nearest:
   Building 15 Ft. Seepage Tile Field 80
   Cess Pool ______ Sewer (non Cast iron) 55
   Privy ______ Sewer (Cast iron) 15
   Septic Tank 60 Barnyard ______
   Leaching Pit ______ Manure Pile ______
3. Is water from this well to be used for human consumption?
   Yes x No ______
4. Date well completed January 4, 1974
5. Permanent Pump Installed? Yes X No ______
   Manufacturer Red Jacket Type Submersible
   Capacity ½ hp gpm. Depth of setting 93 ft.
6. Well Top Sealed? Yes ______ No ______
7. Pitless Adaptor Installed? Yes X tubbe attached to casing No by ... [illegible]
8. Well Disinfected? Yes x No ______
9. Water Sample Submitted? Yes ______ No x

REMARKS: 82 gal. galv. pressure tank located in basement

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Charles Koscielewicz Well No. ______
    Address R.R. LaSalle, Illinois
    Driller [illegible] Albrecht License No. 102-120
11. Permit No. 27158 Date Jan. 8, 1974
12. Water from Sandstone (Franconian) 13. County LaSalle
    at depth 192 to 208 ft.
    Sec. 35 Sa
    Twp 34N
    Rge. 1E
    Elev. ______
14. Screen: Diam. ______ in.
    Length: ______ ft. Slot ______
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	black	0	48

SHOW LOCATION IN SECTION PLAT

80'N 100'W SE/c SE SE SW

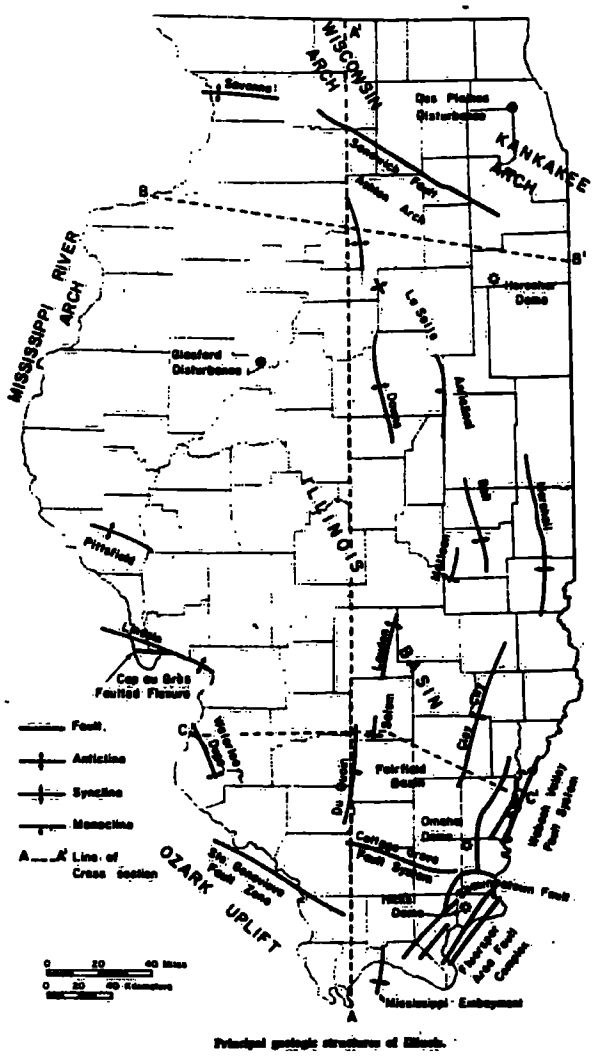
16. Size Hole below casing: 5 in.
17. Static level 55 ft. below casing top which is 1½ ft. above ground level. Pumping level 65 ft. when pumping at 15 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
yellow clay	10	10
gravel	2	12
sandstone	20	32
gray limestone	26	58
green shale	1	59
tan limestone	129	188
fractured limestone	4	192
sandstone	16	208

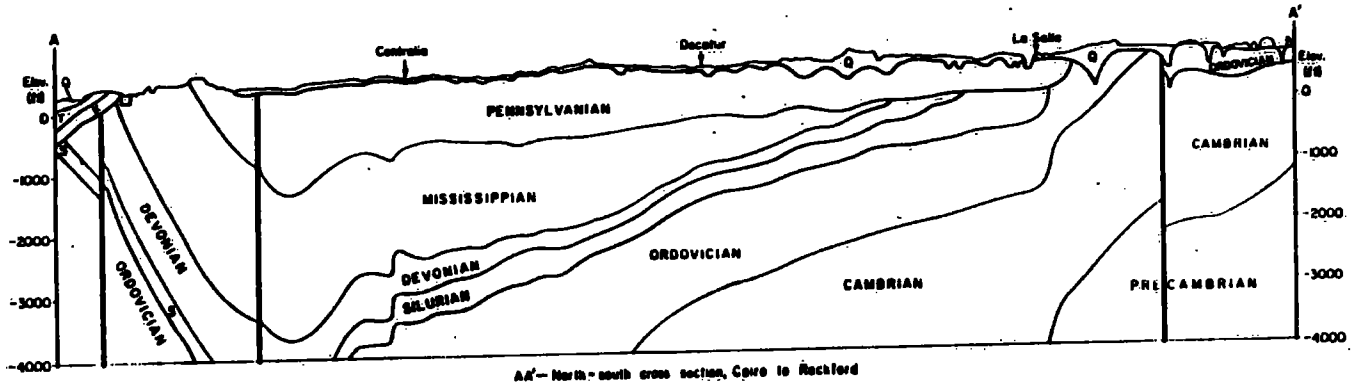
(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE Feb. 12, 1974

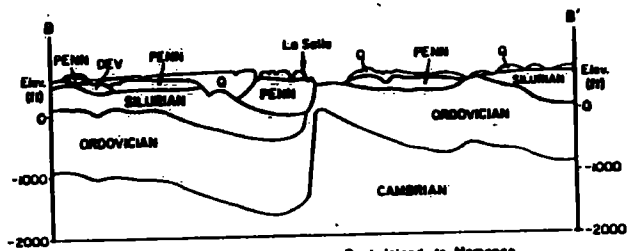
IDPH 4.065
10-72
KNB-1



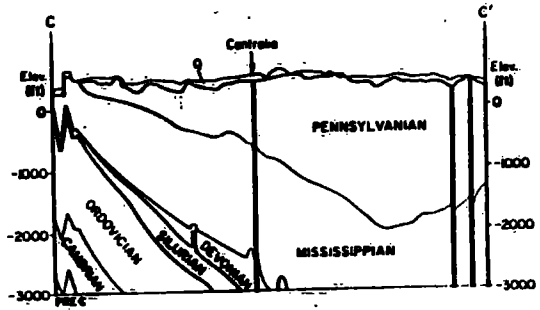
Principal geologic structures of Illinois.



AA'— North-south cross section, Cairo to Rockford



BB'— East-west cross section, Rock Island to Momence



CC'— East-west cross section, Belleville to Cerro

Q - Quaternary T - Tertiary PENN - Pennsylvanian
K - Cretaceous S - Silurian DEV - Devonian

0 50 100 Miles
0 50 100 Kilometers

Geologic cross sections

Taken from ISGS Handbook of Illinois Stratigraphy :1975

Reference Number 11

accurate instruments, with a negligible error; (2) by hand-level line from adjacent bench marks, with a possible error in this region, where bench marks are numerous, of rarely more than 5 and usually less than 3 feet; and (3) by estimation from the contour map direct in the field with a possible error about the same as the 20-foot contour interval.

The surface of the coal, especially, and probably also that of the sandstone is somewhat more irregular than the contours indicate. There are local variations in the elevation of the coal as great as 10 or 15 feet that cannot be shown because of the largeness of the contour interval. The intervals, however, are sufficiently large to minimize the effect of slight errors in elevation to which the map is liable, as noted in preceding paragraphs, and at the same time it is sufficiently adequate to show the main structural features of the area. It is believed that the structure lines for the surface of the coal are correct within a contour interval, that is 25 feet, and for the surface of the sandstone within one-half a contour interval or 50 feet. (See Plates II and III).

Structure of the Quadrangles

In the Hennepin and La Salle quadrangles the layers of hard rock are not horizontal, for an important structural feature, known as the La Salle anticline, is pronounced. This is more correctly called a monocline, since the fold is step-like, with the depression on the west side. West of the fold all the strata of the bed rock slope toward it. To the east, however, the strata dip slightly east from the crest of the fold to the State line.

The altitude of the top of the sandstone has been determined at about a dozen wells scattered over the area at numerous outcrops along and east of the anticline. The overlying Ordovician and Silurian rocks are apparently approximately parallel to the surface of the St. Peter sandstone, so that the contours, drawn at intervals of 100 feet vertically, show the main structural features of all the formations between the Pennsylvanian series and the "Lower Magnesian" formations. Concerning the structure of the older strata little is known. Data based upon the records of three wells west of the anticline indicate a general parallelism of the "Lower Magnesian" with the St. Peter. East of the fold where it outcrops the Shakopee dolomite displays minor undulations which are not known to continue above into the St. Peter sandstone.

In the Hennepin and La Salle quadrangles the altitude of the La Salle coal west of the outcrop along the anticline has been ascertained at about 100 places. Most of the data are derived from mines and coal tests, but some have been obtained from well borings. Several determinations near the anticline were calculated from the outcrops of black slate, the distance of which above the coal is known. Along the anticline in the valleys of Illinois and Little and

Reference Number 13

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

La Salle — COUNTY

LPC — DIVISION

La Salle / St M Canal — I. D. or FILE NO. ______

Re: "Unregulated Dumping"

Conversation with: Todd Hudson, Manager of Tabor Grain

(✓) I Called Party ( ) Party Called Me DATE 6/20/91 TIME 10 : 20

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

What I Said:	What Other Party Said: (815)223-8000
In some reports I read + when I spoke to . I visited the site, there was the indication that some unregulated dumping had occured in the area.	Oh yea. People used to come back here all the time + drop junk off. It still happens some, but it decreased since we put the fence up. It was mostly household stuff like chairs, but we have found grain + wheat material down there. It wasn't ours because we only handle corn. We try to keep it cleaned up.

use reverse side if necessary

Shirle Murphy
Signature

______
Title

IL 532-0727
EPA 129 (Rev. 1/81)

What I Said:

OK. Thanks.

What Other Party Said:

We also put up those big Concrete blocks to prevent anyone from running into the tanks.

Bye.

Comments

Referred to: Unit

Copies to: ( ) File

Recommendations

Signature Sheila Murphy

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Reference Number 14

La Salle — COUNTY | LPC — DIVISION

La Salle / Ill. & M. Canal — I. D. or FILE NO.

Re: Unreg. dumping

Conversation with: Donald Janks

(+) I Called Party ( ) Party Called Me DATE 6/21/91 TIME 10:40

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

(815) 223-5220

What I Said:

I'm looking into the area along the Ill. & M. Canal where those ten tanks are. Understand that either you or Bill Eggen mentioned something about unregulated dumping that had been going off for years.

What was being dug up?

Do you remember who was (Sheila Murphy)

What Other Party Said:

It must have been Bill (Ben Rovero's Son-in-law). I do remember a bunch of us standing around & someone saying something about some transformers that had been dug up. I think they were digging to make a hole for the tank.

use reverse side if necessary

Signature

Title

IL 532-0727
EPA 129 (Rev. 1/81)

What I Said:	What Other Party Said:
involved in this?	No. This was probably 4th hand information.
OK. Thank You.	Bye.

Comments _____

Referred to: _____ Unit _____

Copies to: ( ) File _____ _____

Recommendations _____

Signature Sheila Murphy

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

Reference Number 15

TELEPHONE CONVERSATION RECORD

LaSalle — COUNTY

LPC — DIVISION

LaSalle / St. M Canal — I. D. or FILE NO.

Re: Unregulated dumping

Conversation with: Bill Egan

(✓) I Called Party ( ) Party Called Me DATE 6/26/91 TIME 8:55

( ) Complainant ( ) Violator ( ) Public Inquiry ( ) Partitioner

(815) 223-5220

What I Said:

(Understanding) you might know something about unregulated dumping that occurred in the area of the ten tanks along the St. M Canal.

Do you happen to know who mentioned it or someone who might more info?

What Other Party Said:

I remember someone saying something like that last year, but I don't myself don't know anything.

No. There were so many people standing around, I didn't know most of them and I don't remember which one said it. I've been with the company for 18 years and I don't know anything.

use reverse side if necessary

Sheila Murphy
Signature

Title

IL 532-0737
EPA 729 (Rev. 1/81)

What I Said:

[illegible] at Wendy's.

What Other Party Said:

about it.

Comments

Referred to: Unit

Copies to: ( ) File

Recommendations

Signature